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AN ANALYSIS OF THE
MANUFACTURING SECTOR
OF THE CITY OF BOSTON

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A. Introduction

The following study analyzes the manufacturing sector (non-durable products) within the City of Boston. The period of analysis is from 1955 to 1963. The period of analysis is divided into three sections, according to the source of the data. It is noted that all material throughout the report is original. The data have been considered.

Sections I, II, and III compare and contrast the analysis only those economic factors within the City of Boston.

Sections IV and V compare and contrast the above mentioned factors with the Boston SMSA and the United States.

B. Conclusions

1. In 1963, CNRP Areas maintained approximately two-thirds of the City's manufacturing firms and manufacturing employment.
2. The City of Boston has steadily declined (18.8%) since 1955 in manufacturing employment.
3. Non-Durable product industries comprise approximately two-thirds of the City's manufacturing employment and manufacturing firms.
4. Since 1955, durable product industries have demonstrated a faster decline in both manufacturing employment and firms, while showing a more rapid percentage increase in value than the Boston SMSA, Commonwealth of Massachusetts, and the United States.

5. In 1962 and 1963, the number of manufacturing firms, numbered 1 through 100, was the highest since 1950.
6. During the period 1950-1963, the number of manufacturing firms in Boston increased from 1,000 to 1,200.
7. As of 1963, the number of manufacturing firms in Boston was 1,200.
8. In 1963, there were 1,200 manufacturing firms located within the city of Boston.
9. In 1963, Boston's manufacturing employment (37) was approximately 10 percent of the Boston SMSA (62), excluding Boston.
10. Average wages (1963) for manufacturing workers in the Boston SMSA averaged 1.1 percent higher than the City of Boston. In 1958, Boston's average was 1.5 percent higher in manufacturing wages.
11. During the period 1950-1963, the rate of increase in manufacturing employment was faster percentage increase than in the City of Boston.
12. Major manufacturing industries in the City of Boston employing over one-half of that in the City of Boston were Apparel (1.3%), Printing (59.6%), and Food (50.0%).
13. Available data suggests that the rate of increase in manufacturing employment in the City of Boston (50-60%) is probably (1962) equal, or in excess of, the rate of increase in the present trends indicate that the rate of increase in manufacturing employment in the City of Boston is probably 1.0 percent of the City's manufacturing employment in the apparel and food industries.

14. For the period 1951-1955

we observed that the
than the United States
grew more rapidly

15. Statistics suggest that

of total production
the greater is the
wages will be relatively



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in the Year of
most Recent, 1965

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ment and Average Annual

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I. TITLE: Case Study

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- I. Summary of Employment in
the City of Boston, 1890-1900
- II. Employment in the City
of Boston, 1890-1900

100-20-0
L.D. 100-20-0
100-20-0

100

duration in 1951 3.0 percent

(65.7 percent) and

5).

Table 1 shows the
firm by standard
in 1953. Current
cents 30.6 percent of
percent of its employment.

The major industries are
are apparel (25.2 percent),
cent), and transportation.
the major industries are
electrical machinery (8.7 percent),
instruments (8.0 percent).

The City of Boston
(-10.6 percent) and
BMSA has shown a -5.5 percent
since 1950. However, in 1951
abnormally low year in
the last year, and
that the Boston

Chart 1 indicates the

can, but I am not sure

pointed out

1942-1943

1942-1943

1942-1943

10	2	
20	0.5	1000
30		
40	1.5	
50	3.0	1000
60	9	
70	40	1000
80	65	1000
90	2.5	1000
100	1.5	1000
110	1	1000
120	0.5	1000
130	0.5	1000
140	0.5	1000
150	0.5	1000
160	0.5	1000
170	0.5	1000
180	0.5	1000
190	0.5	1000
200	0.5	1000
210	0.5	1000
220	0.5	1000
230	0.5	1000
240	0.5	1000
250	0.5	1000
260	0.5	1000
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360	0.5	1000
370	0.5	1000
380	0.5	1000
390	0.5	1000
400	0.5	1000
410	0.5	1000
420	0.5	1000
430	0.5	1000
440	0.5	1000
450	0.5	1000
460	0.5	1000
470	0.5	1000
480	0.5	1000
490	0.5	1000
500	0.5	1000
510	0.5	1000
520	0.5	1000
530	0.5	1000
540	0.5	1000
550	0.5	1000
560	0.5	1000
570	0.5	1000
580	0.5	1000
590	0.5	1000
600	0.5	1000
610	0.5	1000
620	0.5	1000
630	0.5	1000
640	0.5	1000
650	0.5	1000
660	0.5	1000
670	0.5	1000
680	0.5	1000
690	0.5	1000
700	0.5	1000
710	0.5	1000
720	0.5	1000
730	0.5	1000

1942-1943

1942-1943

1942-1943

Source:

1942-1943

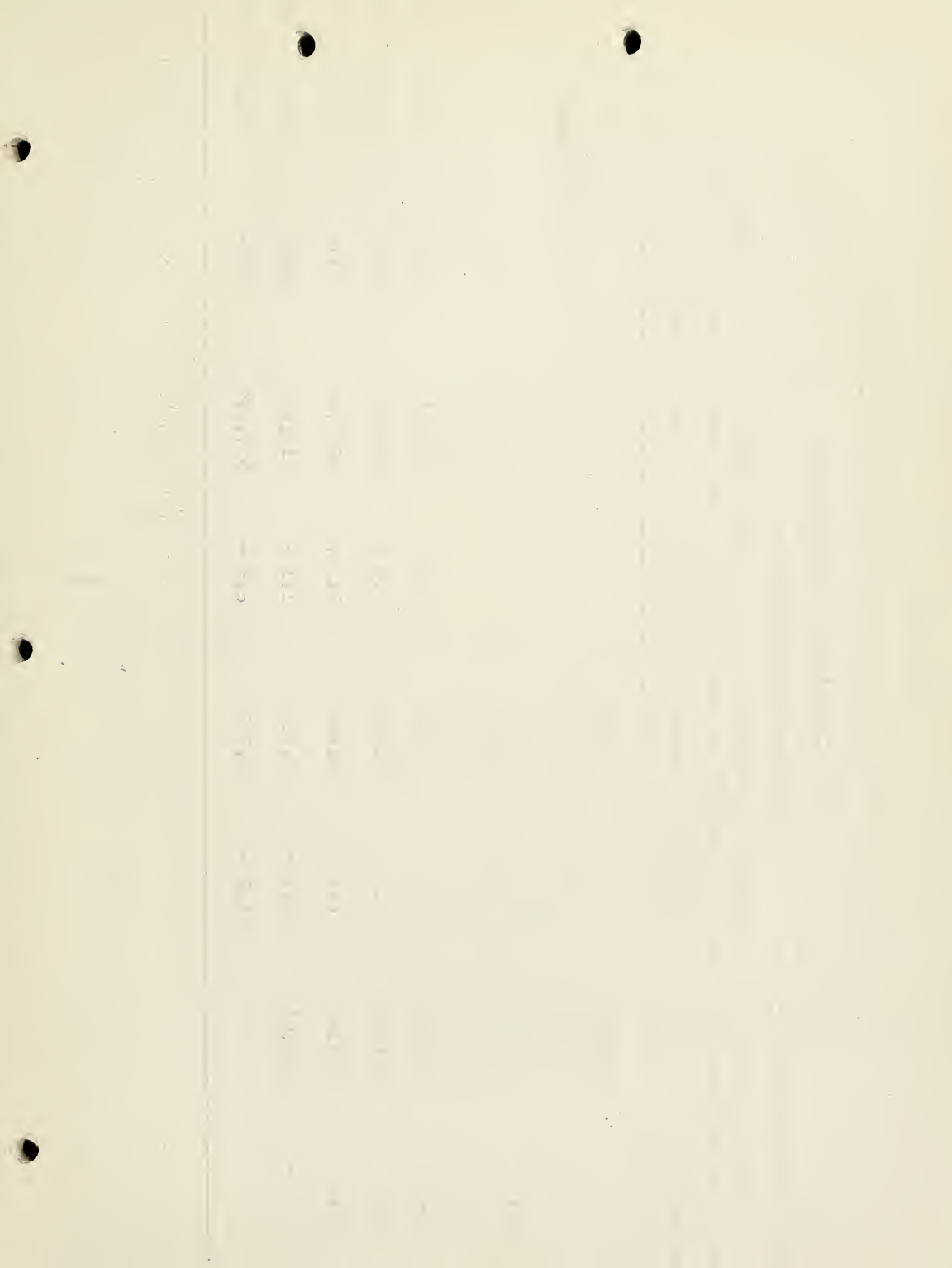
2-11-41

10	100	100	
20	200	200	
30	300	300	
40	400	400	
50	500	500	
60	600	600	
70	700	700	
80	800	800	
90	900	900	
100	1000	1000	
110	1100	1100	
120	1200	1200	
130	1300	1300	
140	1400	1400	
150	1500	1500	
160	1600	1600	
170	1700	1700	
180	1800	1800	
190	1900	1900	
200	2000	2000	
210	2100	2100	
220	2200	2200	
230	2300	2300	
240	2400	2400	
250	2500	2500	
260	2600	2600	
270	2700	2700	
280	2800	2800	
290	2900	2900	
300	3000	3000	
310	3100	3100	
320	3200	3200	
330	3300	3300	
340	3400	3400	
350	3500	3500	
360	3600	3600	
370	3700	3700	
380	3800	3800	
390	3900	3900	
400	4000	4000	
410	4100	4100	
420	4200	4200	
430	4300	4300	
440	4400	4400	
450	4500	4500	
460	4600	4600	
470	4700	4700	
480	4800	4800	
490	4900	4900	
500	5000	5000	

2-11-41 1000

2-11-41

2-11-41 1000



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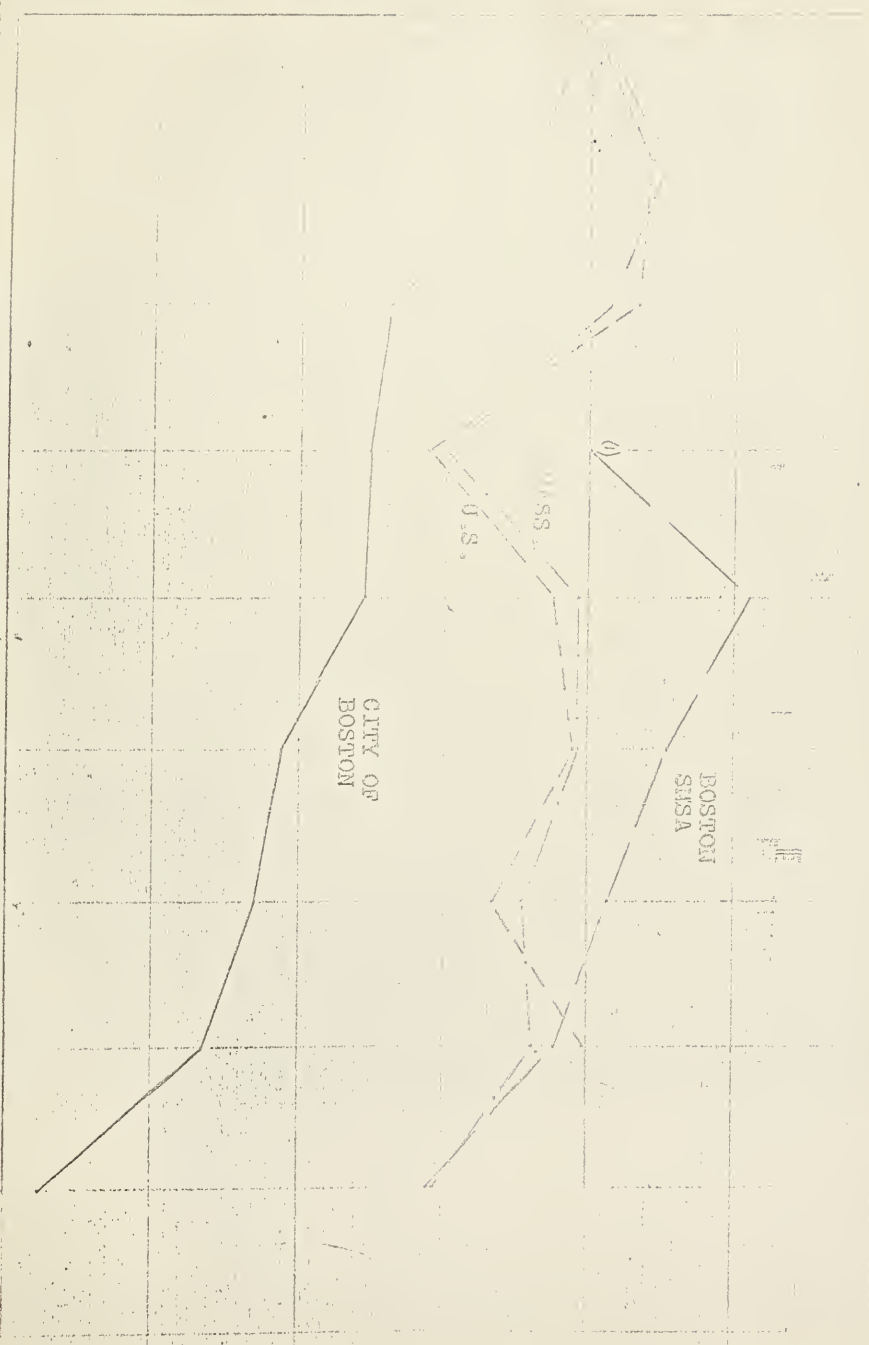
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Summary of Employment Trends in the Manufacturing Industries
for Various Areas - 1955-1963



By Base Year of 1955 - Preliminary Data.

PARKER-HILL
FENWAY

JAMAICA
PLAIN

ROXBURY
NORTH DORCHESTER

SOUTH

-  - 1900-1905
 - 1905-1910
 - 1910-1915
 - 1915-1920
 - 1920-1925
 - 1925-1930
 - 1930-1935
 - 1935-1940
 - 1940-1945
 - 1945-1950
 - 1950-1955
 - 1955-1960
 - 1960-1965
 - 1965-1970
 - 1970-1975
 - 1975-1980
 - 1980-1985
 - 1985-1990
 - 1990-1995
 - 1995-2000
 - 2000-2005
 - 2005-2010
 - 2010-2015
 - 2015-2020
 - 2020-2025
 - 2025-2030
 - 2030-2035
 - 2035-2040
 - 2040-2045
 - 2045-2050
 - 2050-2055
 - 2055-2060
 - 2060-2065
 - 2065-2070
 - 2070-2075
 - 2075-2080
 - 2080-2085
 - 2085-2090
 - 2090-2095
 - 2095-2100



This section is devoted to the study of the durable and non-durable goods industries at the end of this section.

Table 5 shows that 60.2 percent of the total employment is approximately two-thirds of the total workers. This approximate ratio has been maintained throughout the eight-year period. There has been a very slight shift in the employment in non-durable goods industries.

A comparison of firms in the durable and non-durable categories (Table 7) indicate that non-durable goods industries comprise one-third of the number of Boston's firms. Of the employment, this would be a ratio is maintained over the eight-year period.

Wages in all durable goods industries have increased at a faster rate than non-durable goods industries for the period 1935-1944.

Table 8 illustrates a 49.4 percent increase in wages in durable goods industries as compared to a 44.3 percent wage increase for non-durable goods industries.

EMPLOYMENT IN MANUFACTURING INDUSTRIES

PERCENTAGE CHANGES IN EMPLOYMENT

Year	Durable		Non-Durable		Total
	Employment #	Percentage Change %	Employment #	Percentage Change %	
1955	33,691				33,117
1956	33,203	- 1.4		- 3.3	32,178
1957	29,962	- 11.1		- 4.7	30,277
1958	27,232	- 19.2		- 1.3	30,630
1959	27,546	- 13.2		- 1.9	30,739
1960	27,118	- 19.5		- 5.7	30,972
1961	27,924	- 17.1		- 8.5	30,050
1962	27,370	- 17.3		- 11.1	30,355
1963	26,301	- 21.9		- 17.2	27,015

* 1955 Base Year

Source: Massachusetts Division of Employment Security.



Year	1955		1960	
	Plants	Cost	Plants	Cost
1955	923	---	923	---
1956	801	- 2.1	801	- 2.1
1957	856	- 3.0	856	- 4.1
1958	801	- 3.1	801	- 5.0
1959	786	- 10.1	786	- 8.1
1960	763	- 17.7	763	- 9.1
1961	759	- 18.0	759	- 12.1
1962	719	- 17.9	719	- 16.1
1963	686	- 18.3	686	- 19.8

*1955 base year.

Source: Massachusetts Division of Economic Security.

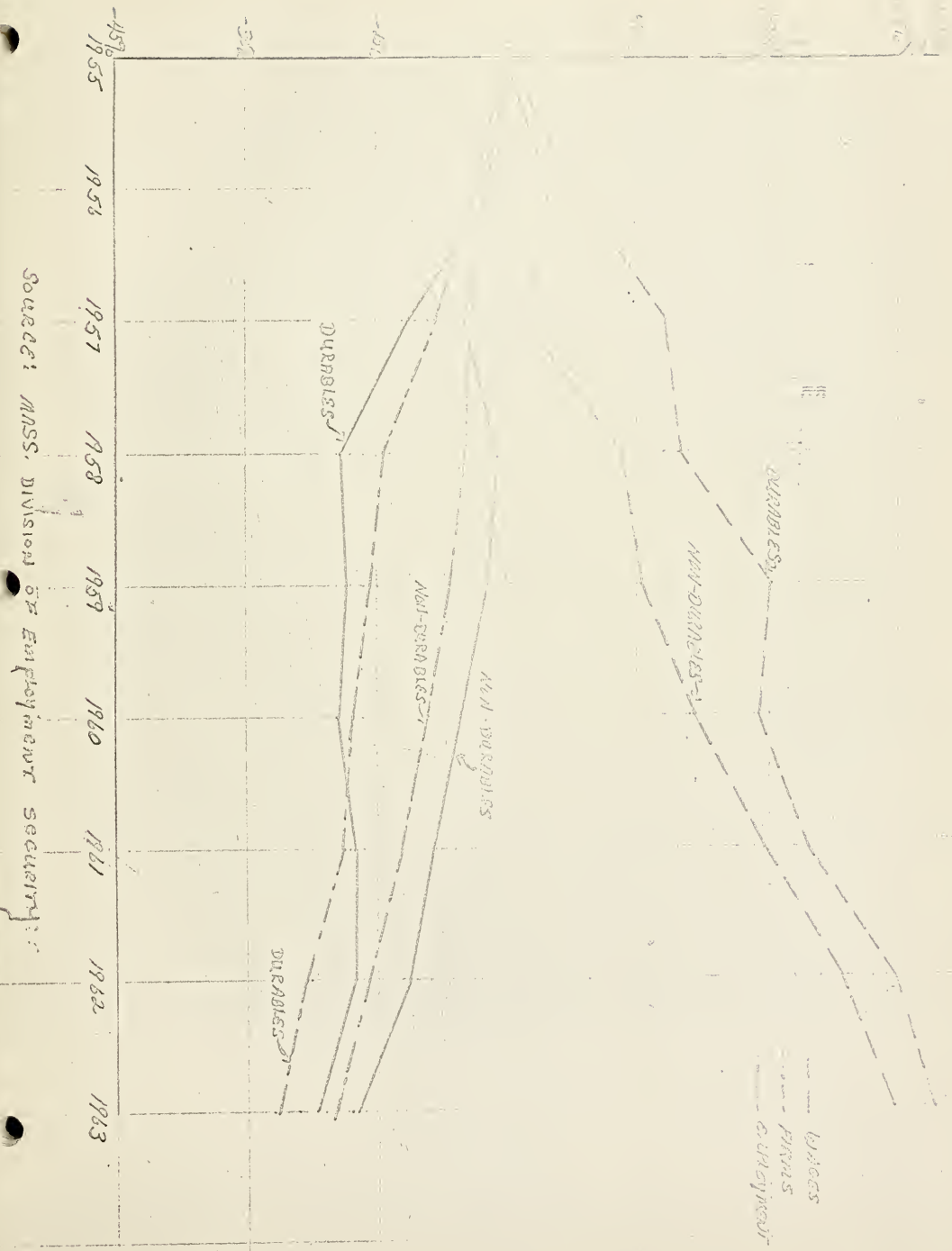
Revised

Year	Wages			
1955	4,551		4,551	
1956	4,389		4,389	
1957	4,750		4,750	
1958	4,840		4,840	
1959	5,245		5,245	
1960	5,138		5,138	
1961	5,426		5,426	
1962	5,792		5,792	
1963	6,162		6,162	

*1955 base year.

Source: Massachusetts Department of Labor Statistics

GRAPH II
 EMPLOYMENT IN DURABLE AND NON-DURABLE PRODUCT INDUSTRIES
 FOR THE CITY OF BOSTON 1955-1963



SOURCE: MASS. DIVISION OF EMPLOYMENT SECURITY



COMPARISON OF WORKING

WORKING, AND



1. The first part of the

document is a letter from

the author to the editor of

the journal, dated 1950.

The second part is a

letter from the editor to

the author, dated 1951.

The third part is a

letter from the author to

the editor, dated 1952.

The fourth part is a

Standard Industrial
Classification

2013				
Sausages & other Prepared meats	20	1,000	1,000,000	
2051				
Bread & other Bakery Goods	20	1,000	1,000,000	
207				
Confectionary	20	1,000	1,000,000	
23				
Men's & Women's Clothing (other than Men's Work Clothing)	40	1,000	1,000,000	
251				
House-Furnishing Goods	30	1,000	1,000,000	
26				
Paper & Paper Goods	30	1,000	1,000,000	
27				
Printing & Publishing & Related Industries	20	1,000	1,000,000	
313				
Boot & Shoe Cut Stock & Findings	40	1,000	1,000,000	
314				
Boots & Shoes (other than Rubber)	30	1,000	1,000,000	
34				
Fabricated Metal Products & Related Industries	30	1,000	1,000,000	
344				
Foundry & Machine Shop Products	30	1,000	1,000,000	
35				
Electrical Machinery	30	1,000	1,000,000	

Source: "Massachusetts Department of Commerce"

Standard Industrial
Classification

2013			
Sausages & other prepared meats	10	3,441	22,119,000
2051			
Bread & other bakery goods	47	4,775	22,472,000
2067			
Confectionary	20	2,470	12,741,000
23			
Men's & Women's Clothing (other than men's work clothing)	310	3,447	12,227,000
251			
House Furnishing Goods	39	2,580	26,100,000
26			
Paper & Paper Goods	34	4,775	21,779,000
27			
Printing & Publishing & Related Industries	310	4,447	21,412,000
213			
Boot & Shoe Out Stock & Findings	40	2,447	11,071,000
314			
Boots & Shoes (other than rubber)	15	3,447	12,227,000
34			
Fabricated Metal Products & Related Industries	100	4,447	21,412,000
344			
Tool & Machine Shop Products	10	2,447	11,071,000
35			
Electrical Machinery	40	2,447	11,071,000

Food & Industrial
Classification

2013			
Meats & other Prepared			
2011			
Food & other Bakery Goods			
207			
Confectionery			
20			
Men's & Women's Clothing			
Other than Men's Work			
Clothing)			
251			
House Furnishing Goods			
26			
Paper & Paper Goods			
27			
Printing & Publishing &			
Related Industries			
313			
Text & Textile Cut Stock &			
Finishing			
314			
Leather & Goods (other than			
Leather)			
32			
Chemical & Allied Products			
Related Industries			
33			
Electric, Electronic &			
Communications Equipment			
36			
Transportation Equipment			
37			
Instrumentation			

Source: Bureau of Economic Analysis

Statistical Industrial Classification

1013				
Sausages & other Prepared meats	- 100		+ 100	- 100
2081				
Bread & other Bakery Goods	- 100		+ 100	- 100
207				
Confectionary	- 100		+ 100	- 100
23				
Men's & Women's Clothing				
(Other than Men's Work Clothing)	- 100		+ 100	- 100
251				
House-Furnishing Goods	- 100		+ 100	- 100
26				
Paper & Paper Goods	- 100		+ 100	- 100
27				
Printing & Publishing & Related Industries	- 100		+ 100	- 100
313				
Best & Sheet Cut Stock & Findings	- 100		+ 100	- 100
314				
Boots & Shoes (other than Rubber)	- 100		+ 100	- 100
34				
Lubricated Metal Products & Related Industries	- 100		+ 100	- 100
344				
Electric & Machine Shop Products	- 100		+ 100	- 100
35				
Electrical Machinery	+ 100			



COMPANIES OF THE

WATER OF THE

FOR CITY OF

INCORPORATED

The City of Boston, from 1958 to 1963, has experienced a decline in the percentage of the Boston SMSA, from 30.4 percent to 28.1 percent.

Trends in manufacturing employment in the City of Boston and the Boston SMSA for the twelve industries comprising 92.5 percent of the manufacturing employment are experiencing declines in the City of Boston and the Boston SMSA. On the other hand, seven of the twelve industries have experienced an increase in total manufacturing employment in the City of Boston and the Boston SMSA.

Table 14 illustrates that for the same period 1958-1963, the City of Boston has declined 12.2 percent in manufacturing employment, while the Boston SMSA has declined by only 5.5 percent.

Comparing the City of Boston and the Boston SMSA on a manufacturing basis indicates that the City has declined 12.2 percent of the Boston SMSA from 30.4 percent in 1958 to 28.1 percent in 1963. (See Tables 15 & 16.) For the same period, Boston has shown a decline of 15.3 percent in manufacturing firms, while the Boston SMSA has declined 5.4 percent.

Tables 17 and 18 compare average manufacturing wages in Boston and the Boston SMSA. Mentionable is the fact that in 1963, 77.1 percent of Boston's manufacturing employment is in industries with an average wage rate that is higher than the average in the Boston SMSA. However, it should be noted that the Boston SMSA (21.1 percent) is experiencing faster percentage increases in wages for the period 1958-1963 than is the City of Boston (21.0 percent).

Charts 3 and 4 graphically illustrate the trends in manufacturing employment for the City of Boston and the Boston SMSA.

19	Ordnance		
20	Food		
21	Tobacco		
22	Textiles		
23	Apparel		
24	Lumber		
25	Furniture		
26	Paper		
27	Printing		
28	Chemicals		
29	Petroleum		
30	Rubber		
31	Leather		
32	Stone & Clay		
33	Primary Metal Ind.		
34	Fabr. Metal Products		
35	Machinery, exc. Elec.		
36	Electrical Machinery		
37	Transportation		
38	Professional & Sci. Equip.		
39	Misc. Mfg.		

TOTAL

Source: B

19	Ordnance
20	Food
21	Tobacco
22	Textiles
23	Apparel
24	Lumber
25	Furniture
26	Paper
27	Printing
28	Chemicals
29	Petroleum
30	Rubber
31	Leather
32	Stone & Clay
33	Primary Metal Ind.
34	Fabr. Metal Products
35	Machinery, exc. Elec.
36	Electrical Machinery
37	Transportation
38	Professional & Sci. Equip.
39	Misc. Mfg.

TOTAL

Source: Bureau of Economic Warfare



20	Ordnance		
21	Food	- 20.0	- 20.0
22	Tobacco	- 7.7	- 7.7
23	Textiles	- 10.0	- 10.0
24	Apparel	- 10.0	- 10.0
25	Lumber	- 2.0	- 2.0
26	Furniture	- 2.0	- 2.0
27	Paper	- 11.2	- 11.2
28	Printing	- 2.0	- 2.0
29	Chemicals	- 1.0	- 1.0
30	Petroleum	+ 2.0	+ 2.0
31	Rubber	- 1.0	- 1.0
32	Leather	- 2.0	- 2.0
33	Stone & Clay	- 2.0	- 2.0
34	Primary Metal Ind.	- 10.0	- 10.0
35	Fabr. Metal Products	- 2.0	- 2.0
36	Machinery, exc. Elec.	+ 2.0	+ 2.0
37	Electrical Machinery	+ 2.0	+ 2.0
38	Transportation	- 2.0	- 2.0
39	Professional & Sci. Inscr.	- 2.0	- 2.0
40	Misc. Mfg.	- 2.0	- 2.0
TOTAL		- 10.0	- 10.0

9. Rate 2

10. Rate 2

11. Rate 2



INDUSTRY FOR 1950

SIC #	Industry			
19	Ordinance			
20	Food	100	200	
21	Tobacco			
22	Textiles	100	200	100
23	Apparel	100	200	
24	Lumber	100	200	
25	Furniture	100	200	
26	Paper	100	200	
27	Printing	100	200	
28	Chemicals	100	200	
29	Petroleum	100	200	
30	Rubber	100	200	
31	Leather	100	200	
32	Stone & Clay	100	200	
33	Primary Metal I & S.	100	200	
34	Fabr. Metal Products	100	200	
35	Machinery, exc. Elec.	100	200	
36	Electrical Machinery	100	200	
37	Transportation	100	200	
38	Professional & Sci. Equip.	100	200	
39	Misc. Mfg.	100	200	
TOTAL		5,000	5,000	5,000
Source: Massachusetts Department of Labor Statistics				



INDUSTRY INDEX

1954-1955

1954-1955

SEC #

Industry

19	Ordnance	-	100
20	Food	-	100
21	Tobacco	-	100
22	Textiles	-	100
23	Apparel	-	100
24	Lumber	-	100
25	Furniture	-	100
26	Paper	-	100
27	Printing	-	100
28	Chemicals	-	100
29	Petroleum	-	100
30	Rubber	-	100
31	Leather	-	100
32	Stone & Clay	-	100
33	Primary Metal Ind.	-	100
34	Fabr. Metal Products	-	100
35	Machinery, exc. Elec.	-	100
36	Electrical Machinery	-	100
37	Transportation	-	100
38	Professional & Sci. Instr.	-	100
39	Misc. Mfg.	-	100

AVG

PERCENTAGE

*based on insignificant number of data

Source: Massachusetts Department of Labor Statistics

19	Ordnance
20	Food
21	Tobacco
22	Textiles
23	Apparel
24	Lumber
25	Furniture
26	Paper
27	Printing
28	Chemicals
29	Petroleum
30	Rubber
31	Leather
32	Stone & Clay
33	Primary Metal Ind.
34	Fabr. Metal Products
35	Machinery, exc. Elec.
36	Electrical Machinery
37	Transportation
38	Professional & Sci. Equip.
39	Misc. Mfg.

AYR 1950

\$4600 \$5758

\$4811 \$6,006

Source: Massachusetts Department of Commerce

MASSACHUSETTS DEPARTMENT OF REVENUE

1960-1961

Page 10

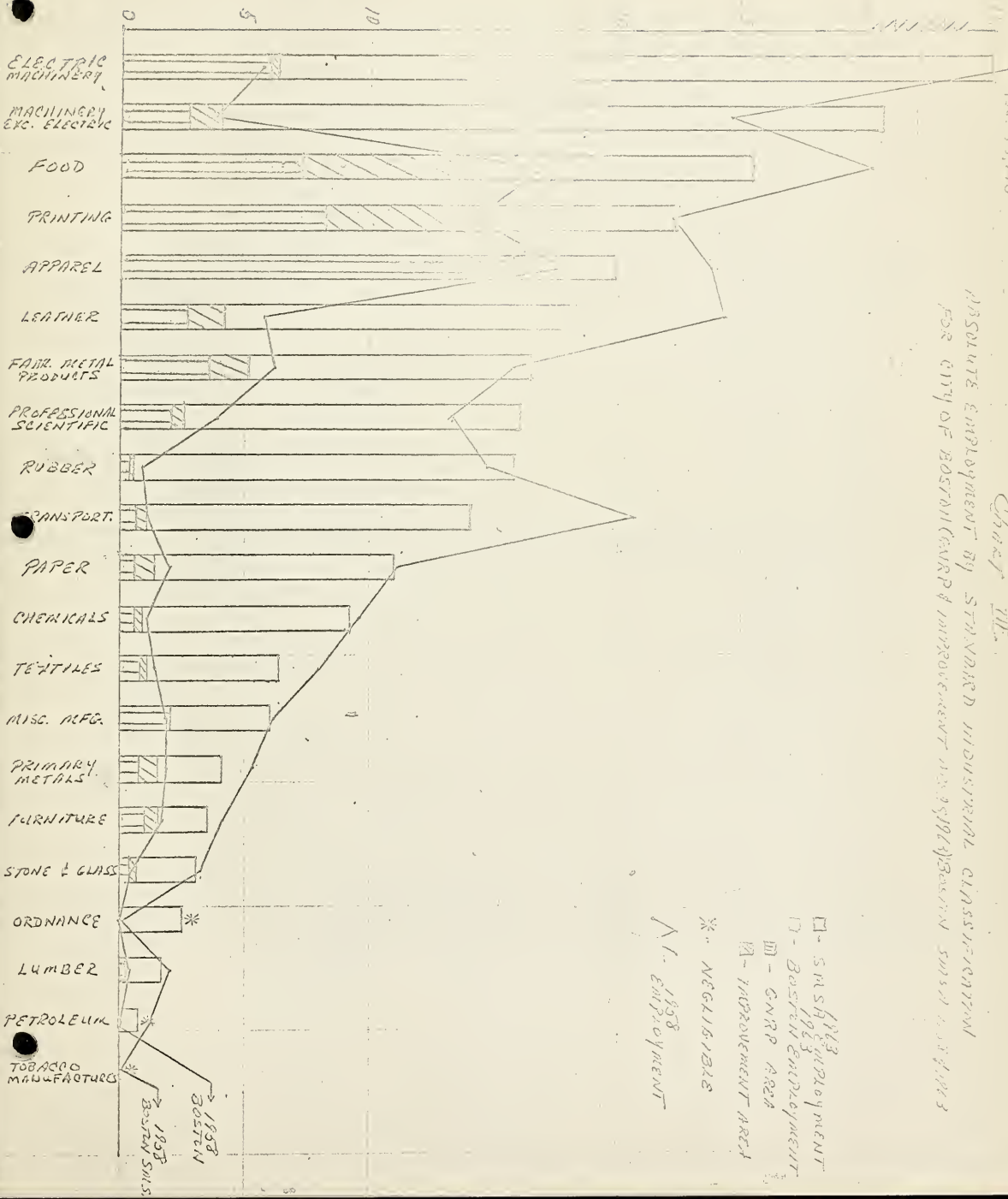
1960-1961

19	Ordinance		
20	Food		
21	Tobacco		
22	Textiles	10.3	+ 10.3
23	Apparel	10.3	+ 10.3
24	Lumber	10.3	+ 10.3
25	Furniture	10.3	+ 10.3
26	Paper	10.3	+ 10.3
27	Printing	10.3	+ 10.3
28	Chemicals	10.3	+ 10.3
29	Petroleum	10.3	+ 10.3
30	Rubber	10.3	+ 10.3
31	Leather	10.3	+ 10.3
32	Stone & Clay	10.3	+ 10.3
33	Primary Metal Ind.	10.3	+ 10.3
34	Fabr. Metal Products	10.3	+ 10.3
35	Machinery, exc. Elec.	10.3	+ 10.3
36	Electrical Machinery	10.3	+ 10.3
37	Transportation	10.3	+ 10.3
38	Professional & Sci. Equip.	10.3	+ 10.3
39	Misc. Mfg.	10.3	+ 10.3

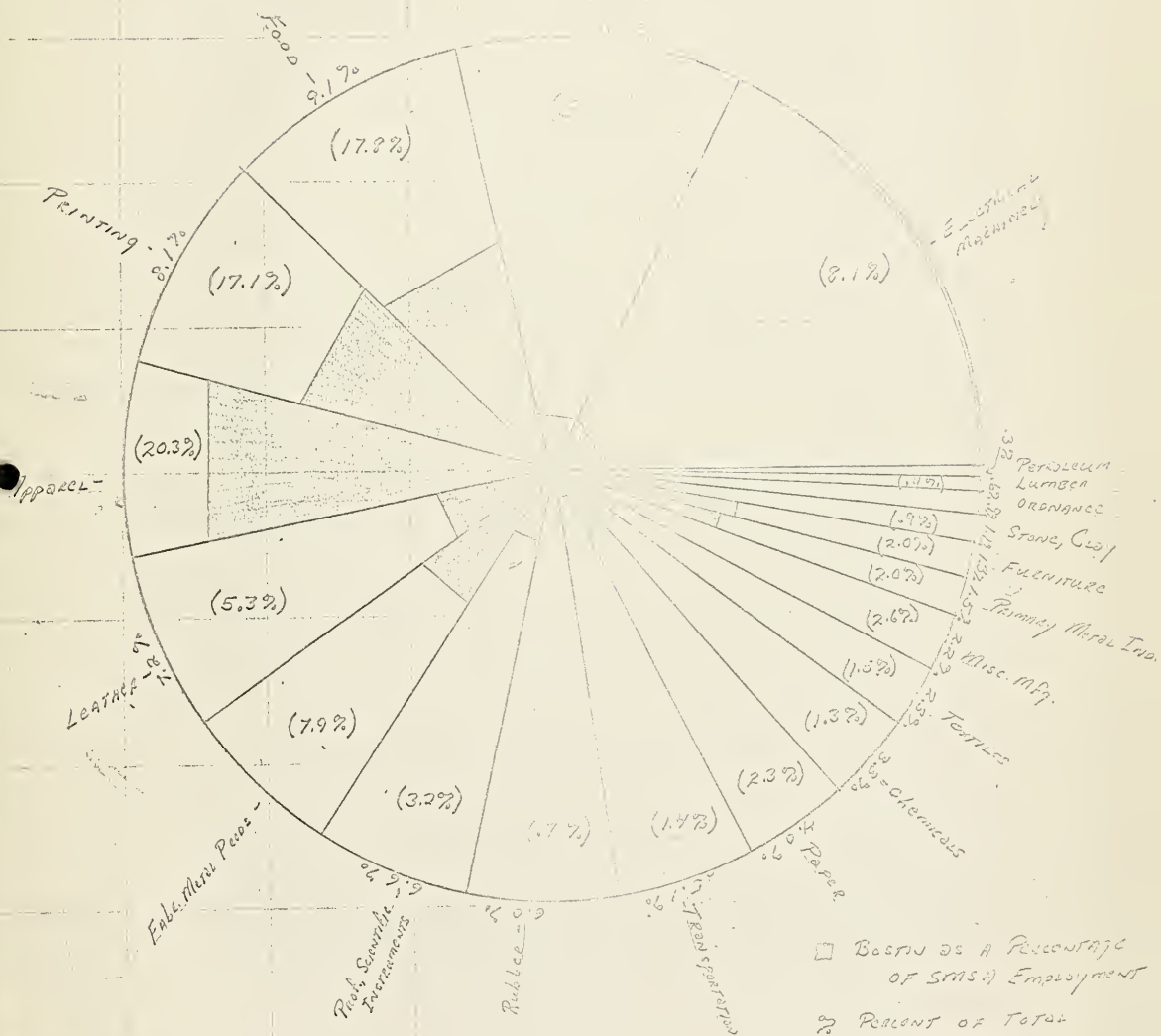
1960-1961

Source: Massachusetts Department of Revenue

Chart III.
ABSOLUTE EMPLOYMENT BY STANDARD INDUSTRIAL CLASSIFICATION
FOR CITY OF BOSTON (WARD IMPROVEMENT DISTRICTS) 1903-1933



PERCENT DISTRIBUTION OF EMPLOYMENT BY
STANDARD INDUSTRIAL CLASSIFICATION
FOR BOSTON, 1965



Source: Mass. Division of Employment Security

- BOSTON AS A PERCENTAGE OF STATE EMPLOYMENT
- PERCENT OF TOTAL STATE EMPLOYMENT
- (?) PERCENT OF TOTAL BOSTON EMPLOYMENT

CONV TO OF _____
FOR AT THE ANN. _____
A D L.

of Boston and the other major
industries. These industries
durable or non-durable goods
overall, imports (e.g.,
etc.) to the manufacturing

This Section of the report
trends (1955-1962) for the
A comparison of these industries
in order to determine the
increases, employment trend,

These industries studied in this report
the City's total manufacturing
durable industries studied
employment. Non-durable industries
of the City's total for the

Several important points
following tables:

Table 10 indicates the
for the City of Boston
Statistics has increased
City (3.7 percent) as

with the City showing a

non-increase of

The United States

annual percent

(3.6-percent).

Chart 3 indicates

lated workers for the City

shown for each of the

are absolute wages and

dual year within the period

Table 25 analyses

industry by a high and a low

average annual wage for that

mining factor in deciding

is high or low.

Noticeable is the fact

all these major industries

one exception (paper and

studied in durable and

Therefore, it can be

City's manufacturing workers

the share of the total
three times as much as in
years immediately preceding
half of the fifty years

Although certain parts
ing employment in the
to suggest that these
employment trends

Extrapolating these
and publishing was 1.2
percent and 2.6 percent
low wage industries by 1977
in this report, employment
reduced to slightly over one-

Table of Contents

1. Introduction	1
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3. Results	3
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5. Conclusion	5
6. References	6
7. Appendix	7
8. Glossary	8
9. Index	9

Department of Labor, Bureau of Labor Statistics

1. $\frac{1}{2}$ of the total population
 2. $\frac{1}{4}$ of the total population
 3. $\frac{1}{8}$ of the total population
 4. $\frac{1}{16}$ of the total population
 5. $\frac{1}{32}$ of the total population
 6. $\frac{1}{64}$ of the total population
 7. $\frac{1}{128}$ of the total population
 8. $\frac{1}{256}$ of the total population
 9. $\frac{1}{512}$ of the total population
 10. $\frac{1}{1024}$ of the total population
 11. $\frac{1}{2048}$ of the total population
 12. $\frac{1}{4096}$ of the total population
 13. $\frac{1}{8192}$ of the total population
 14. $\frac{1}{16384}$ of the total population
 15. $\frac{1}{32768}$ of the total population
 16. $\frac{1}{65536}$ of the total population
 17. $\frac{1}{131072}$ of the total population
 18. $\frac{1}{262144}$ of the total population
 19. $\frac{1}{524288}$ of the total population
 20. $\frac{1}{1048576}$ of the total population
 21. $\frac{1}{2097152}$ of the total population
 22. $\frac{1}{4194304}$ of the total population
 23. $\frac{1}{8388608}$ of the total population
 24. $\frac{1}{16777216}$ of the total population
 25. $\frac{1}{33554432}$ of the total population
 26. $\frac{1}{67108864}$ of the total population
 27. $\frac{1}{134217728}$ of the total population
 28. $\frac{1}{268435456}$ of the total population
 29. $\frac{1}{536870912}$ of the total population
 30. $\frac{1}{1073741824}$ of the total population
 31. $\frac{1}{2147483648}$ of the total population
 32. $\frac{1}{4294967296}$ of the total population
 33. $\frac{1}{8589934592}$ of the total population
 34. $\frac{1}{17179869184}$ of the total population
 35. $\frac{1}{34359738368}$ of the total population
 36. $\frac{1}{68719476736}$ of the total population
 37. $\frac{1}{137438953472}$ of the total population
 38. $\frac{1}{274877906944}$ of the total population
 39. $\frac{1}{549755813888}$ of the total population
 40. $\frac{1}{1099511627776}$ of the total population
 41. $\frac{1}{2199023255552}$ of the total population
 42. $\frac{1}{4398046511104}$ of the total population
 43. $\frac{1}{8796093022208}$ of the total population
 44. $\frac{1}{17592186044416}$ of the total population
 45. $\frac{1}{35184372088832}$ of the total population
 46. $\frac{1}{70368744177664}$ of the total population
 47. $\frac{1}{140737488355328}$ of the total population
 48. $\frac{1}{281474976710656}$ of the total population
 49. $\frac{1}{562949953421312}$ of the total population
 50. $\frac{1}{1125899906842624}$ of the total population
 51. $\frac{1}{2251799813685248}$ of the total population
 52. $\frac{1}{4503599627370496}$ of the total population
 53. $\frac{1}{9007199254740992}$ of the total population
 54. $\frac{1}{18014398509481984}$ of the total population
 55. $\frac{1}{36028797018963968}$ of the total population
 56. $\frac{1}{72057594037927936}$ of the total population
 57. $\frac{1}{144115188075855872}$ of the total population
 58. $\frac{1}{288230376151711744}$ of the total population
 59. $\frac{1}{576460752303423488}$ of the total population
 60. $\frac{1}{1152921504606846976}$ of the total population
 61. $\frac{1}{2305843009213693952}$ of the total population
 62. $\frac{1}{4611686018427387904}$ of the total population
 63. $\frac{1}{9223372036854775808}$ of the total population
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 75. $\frac{1}{37778931862957161709568}$ of the total population
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 77. $\frac{1}{151115727451828646838272}$ of the total population
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 79. $\frac{1}{604462909807314587353088}$ of the total population
 80. $\frac{1}{1208925819614629174706176}$ of the total population
 81. $\frac{1}{2417851639229258349412352}$ of the total population
 82. $\frac{1}{4835703278458516698824704}$ of the total population
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 84. $\frac{1}{19342813113834066795298816}$ of the total population
 85. $\frac{1}{38685626227668133590597632}$ of the total population
 86. $\frac{1}{77371252455336267181195264}$ of the total population
 87. $\frac{1}{154742504910672534362390528}$ of the total population
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 96. $\frac{1}{79228162514264337593543950336}$ of the total population
 97. $\frac{1}{158456325028528675187087900672}$ of the total population
 98. $\frac{1}{316912650057057350374175801344}$ of the total population
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 100. $\frac{1}{1267650600228229401496703205376}$ of the total population
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 102. $\frac{1}{5070602400912917605986812821504}$ of the total population
 103. $\frac{1}{10141204801825835211973625643008}$ of the total population
 104. $\frac{1}{20282409603651670423947251286016}$ of the total population
 105. $\frac{1}{40564819207303340847894502572032}$ of the total population
 106. $\frac{1}{81129638414606681695789005144064}$ of the total population
 1

U. S. DEPT. OF LABOR, Bureau of Labor Statistics

1913	4,325	4,572	4,667	4,724	4,965	4,653	+ 3.7
1914	4,654	5,158	5,653	5,715	5,961	5,615	+ 3.3
1915	4,658	4,993	5,113	5,244	5,470	5,026	+ 3.1
1916	4,617	4,975	5,172	5,307	5,489	5,142	+ 3.2
1917	4,355	4,633	4,713	4,912	5,067	4,772	+ 4.0

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BOSTON
U.S.

HOUSE
FURNISHING
GOODS

BREAD
OTHER
BAKERY
GOODS

ELECTRIC
MACHINERY

PAPER &
PAPER GOODS

FOUNDRY
MACHINERY
SHOPS
PRODUCTS

FABRICATED
METAL
PRODUCTS

1958-1961
1958-1959
1960
1961
1962

* - Data for 1958-1961
from
Proceedings

CHART OF
THE
MANUFACTURING
INDUSTRY
FOR
BOSTON
1958-1961





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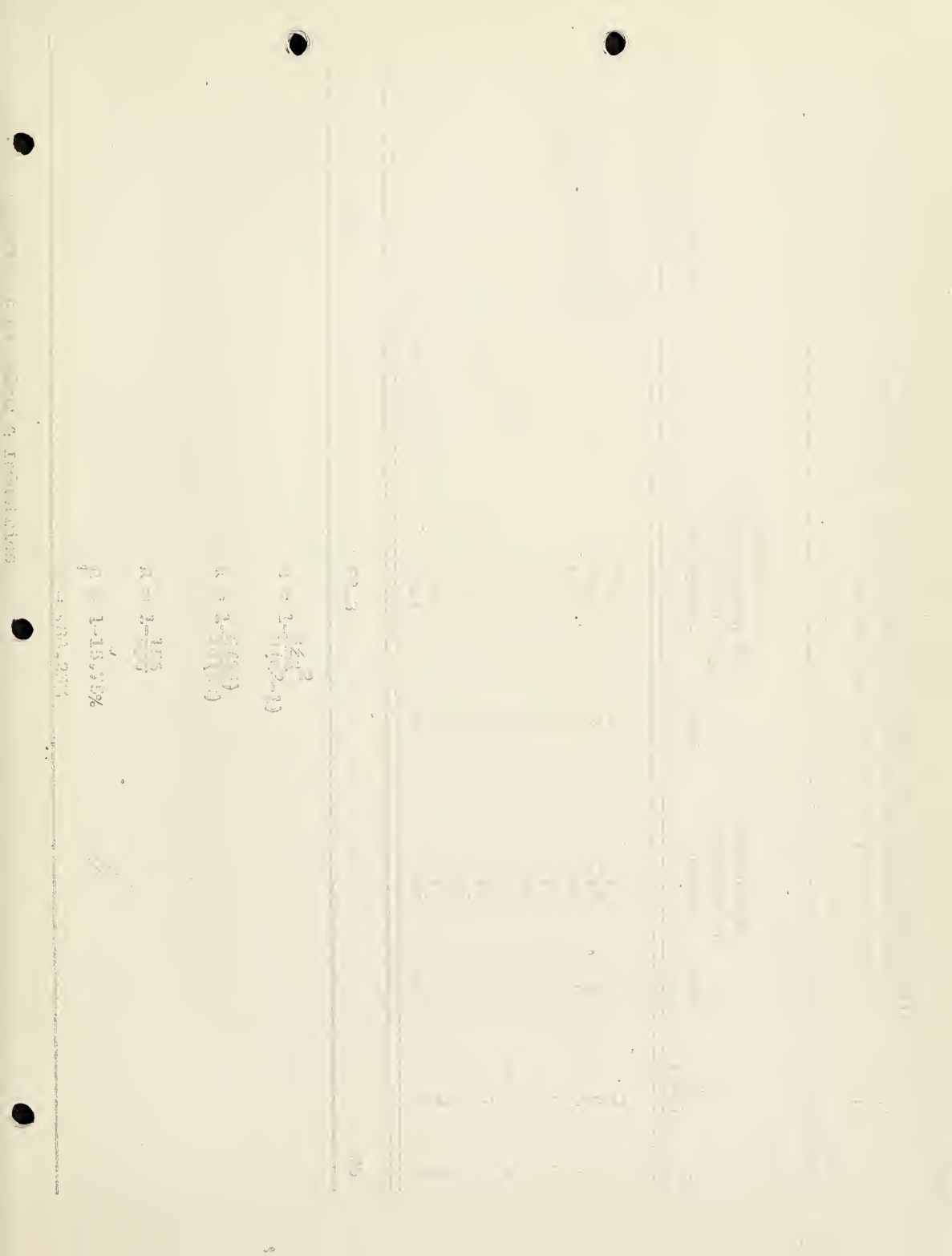
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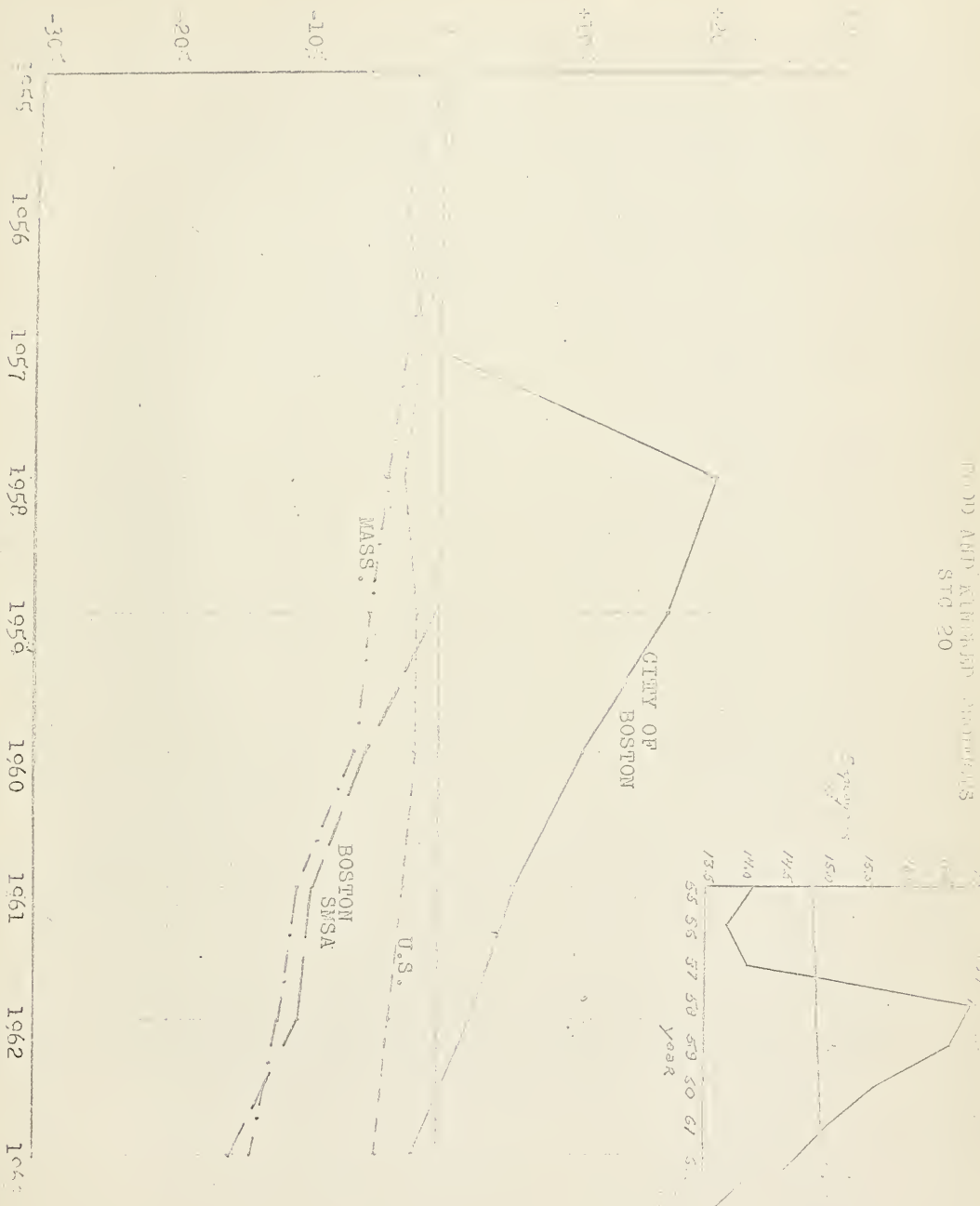
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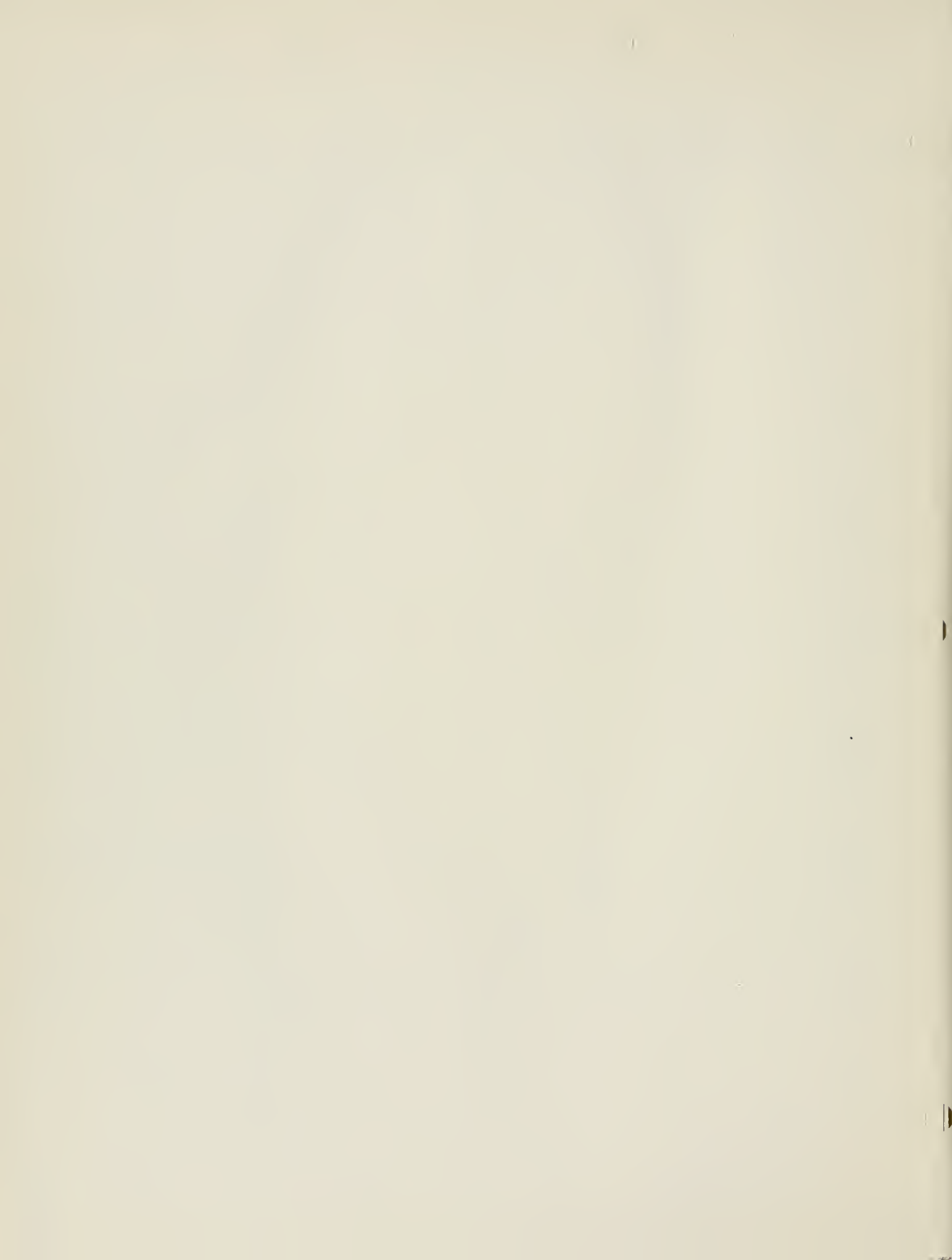
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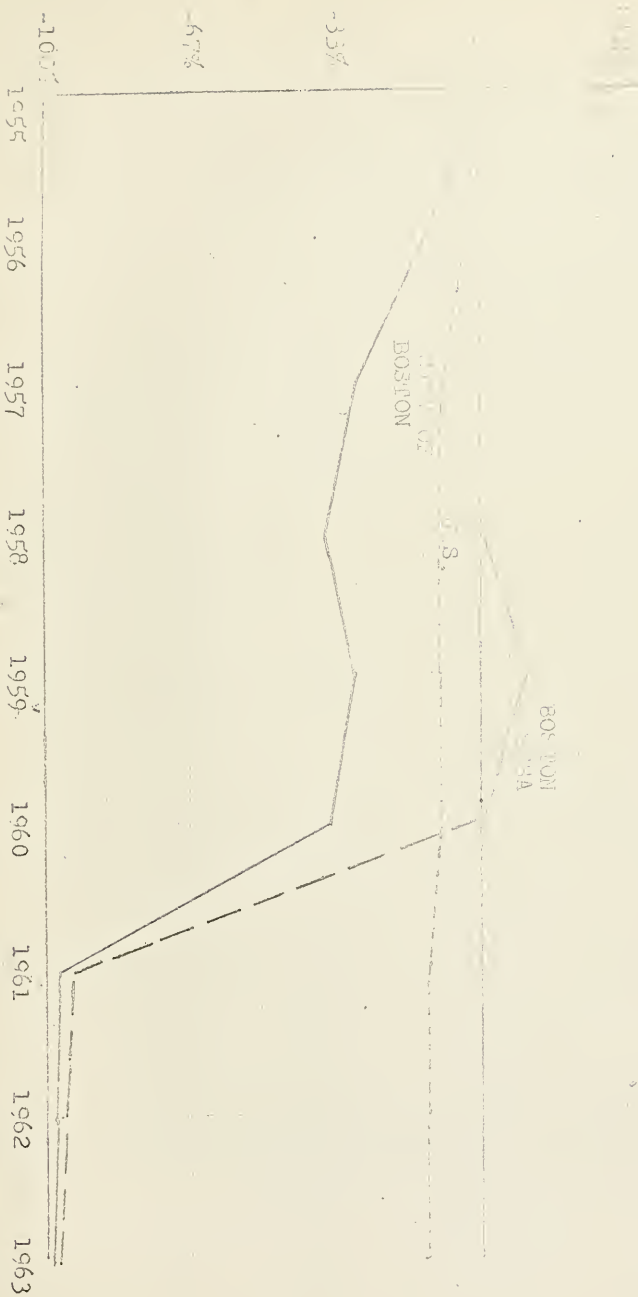
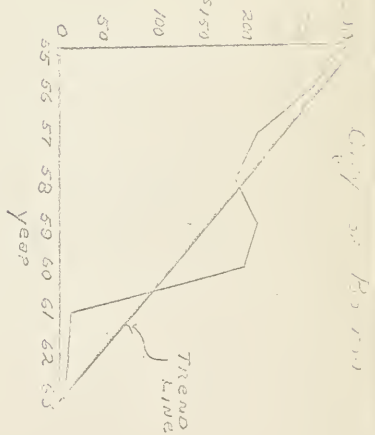


MOD AND ALPHABETIC MODS STG 20

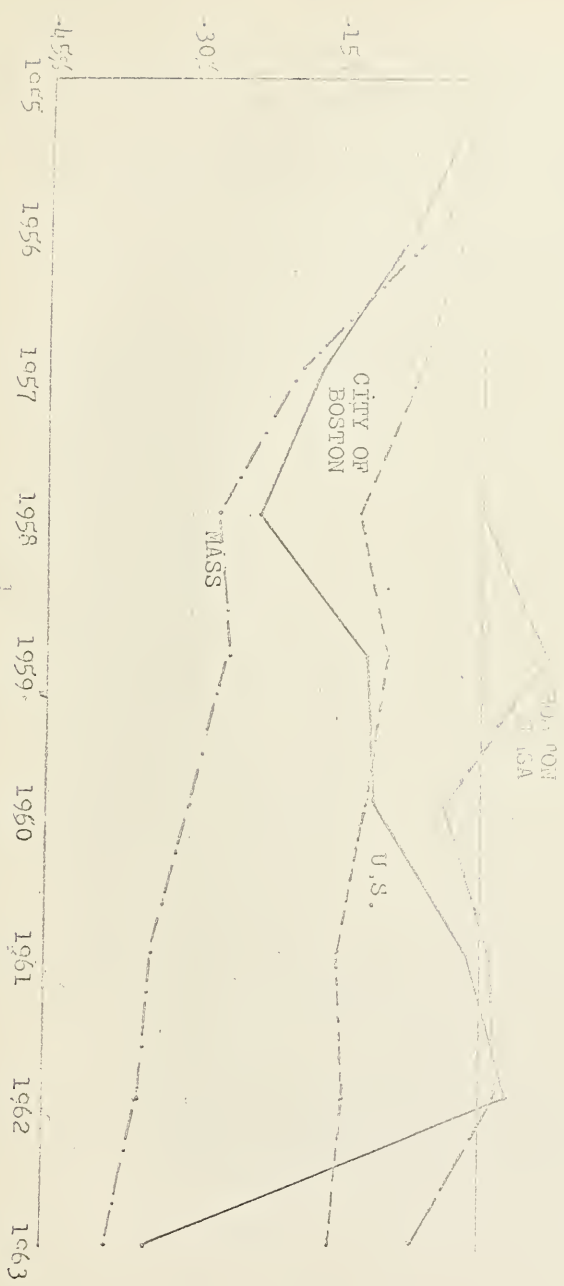
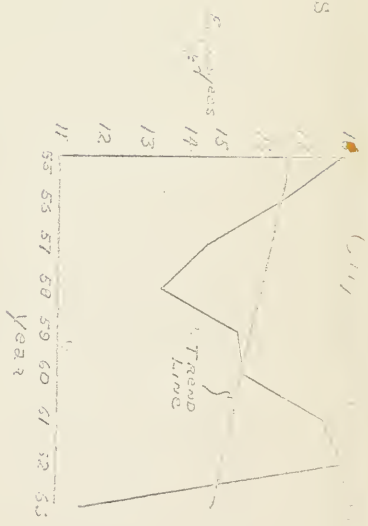




UNITED STATES MANUFACTURES FIG 21

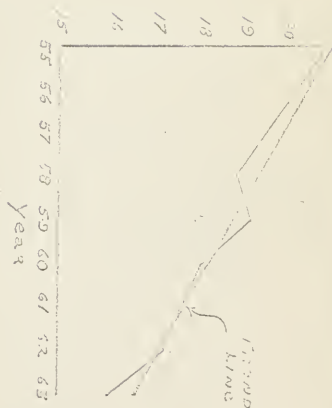


UNCLASSIFIED ERO DOCS
SIC 22

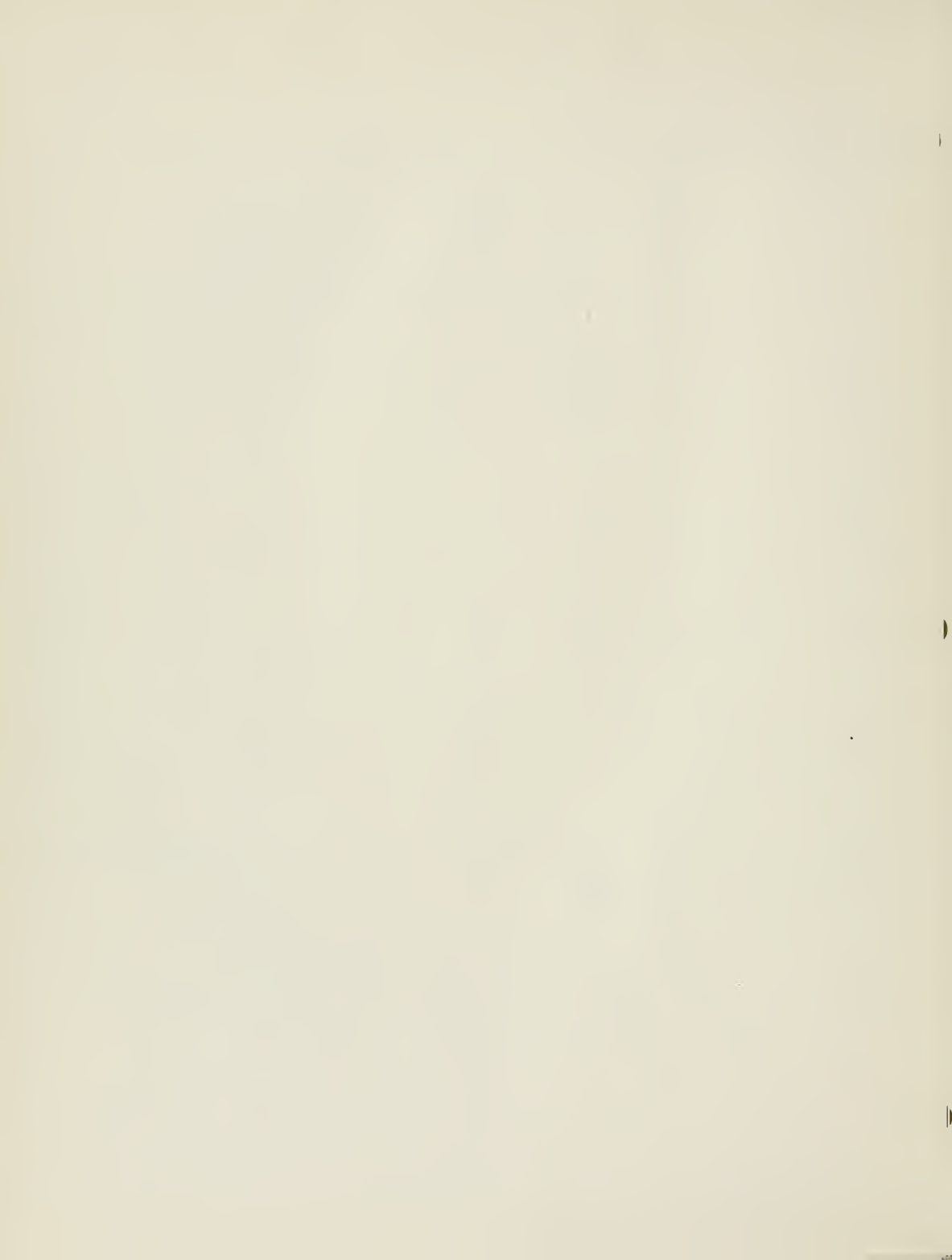


PERCENTAGE OF THE POPULATION IN THE LABOR FORCE BY SEX AND RACE

(City of Boston, Mass.)

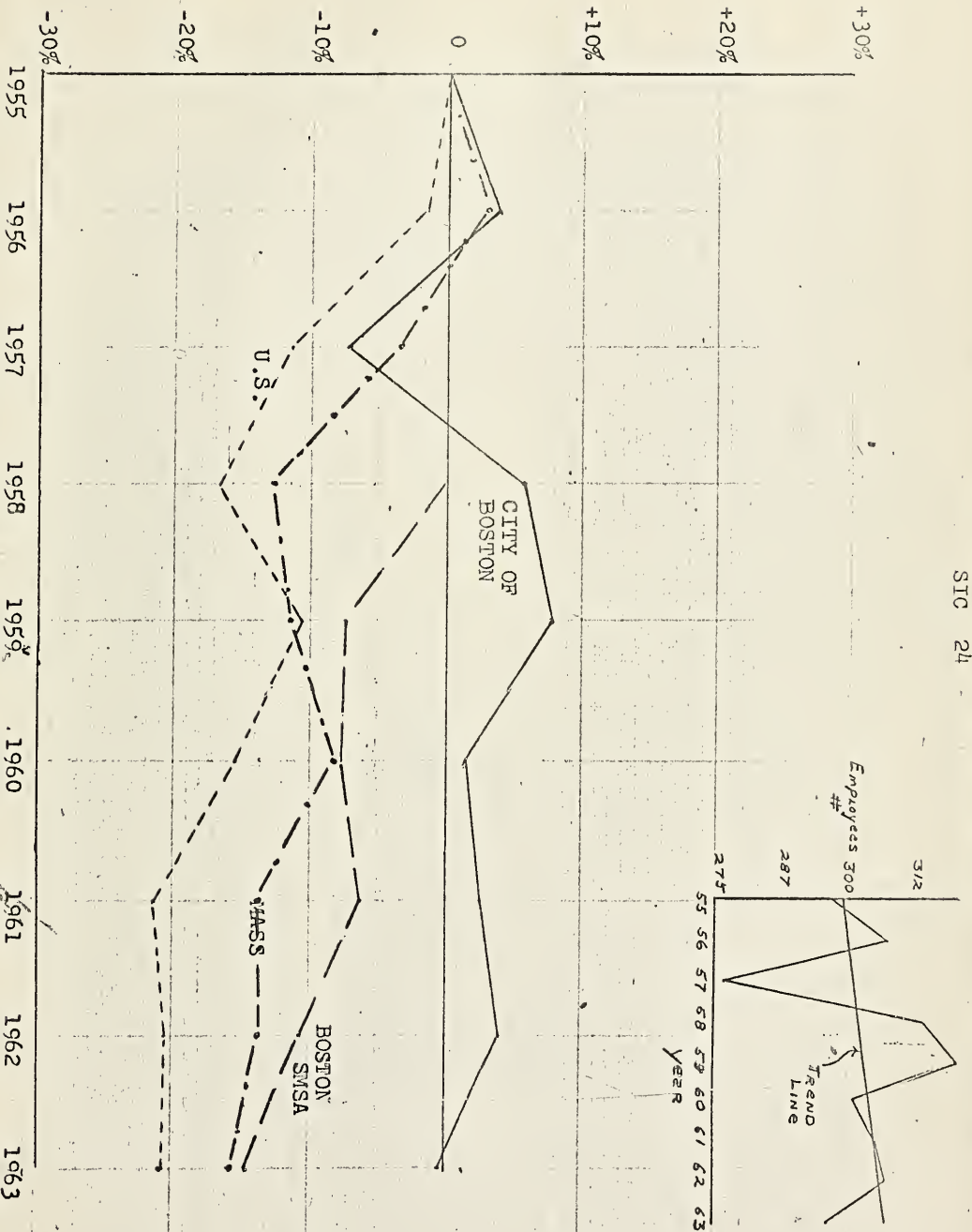


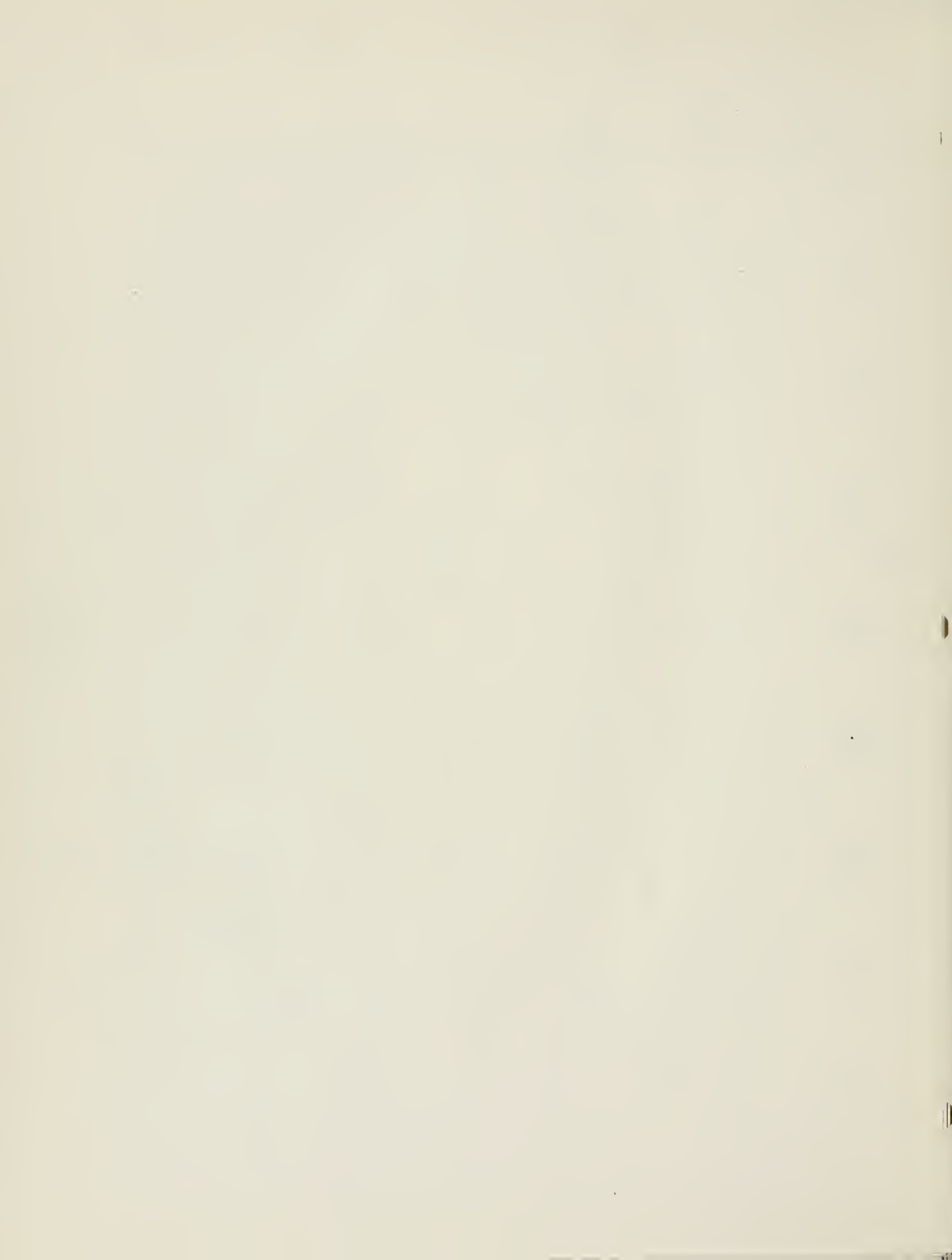
1955 1956 1957 1958 1959 1960 1961 1962 1963



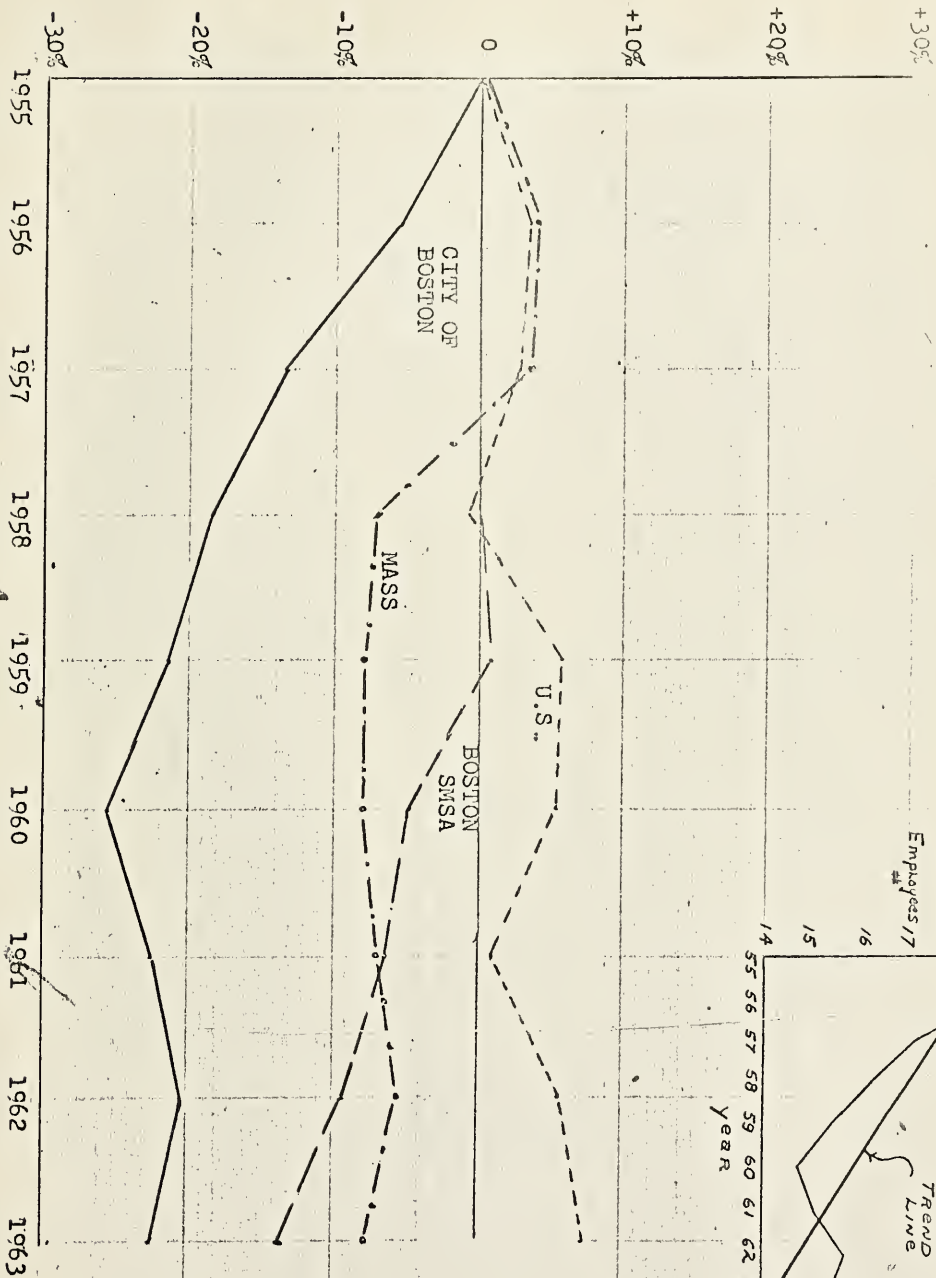
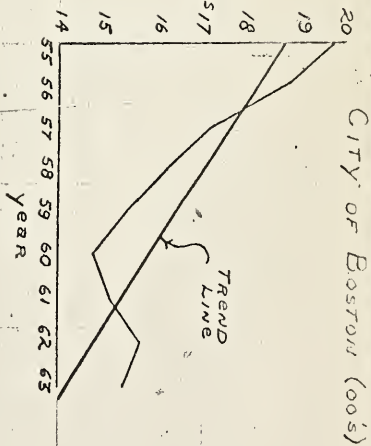
LUMBER & WOOD PRODUCTS EXCEPT FURNITURE
SIC 24

CITY OF BOSTON

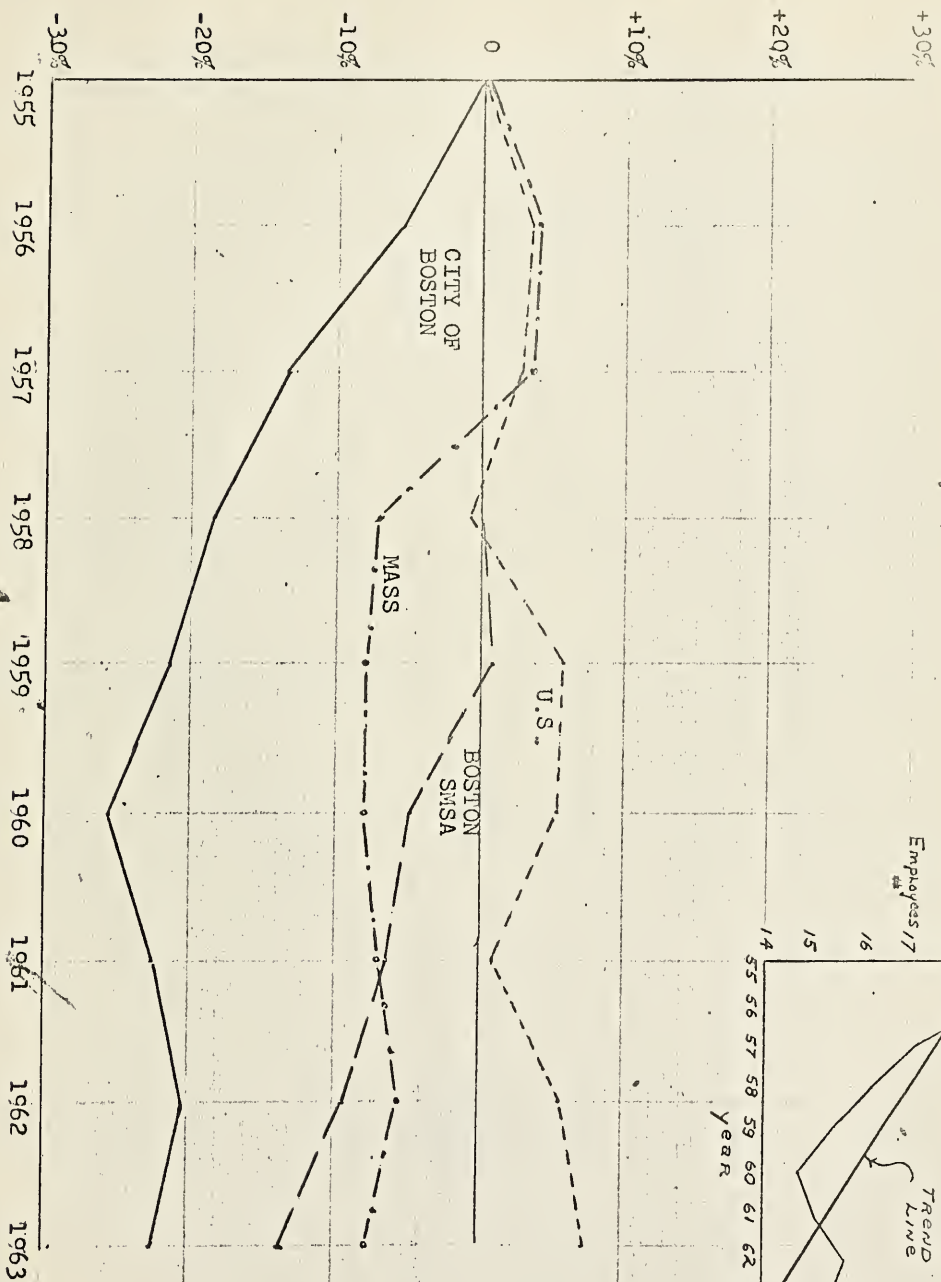
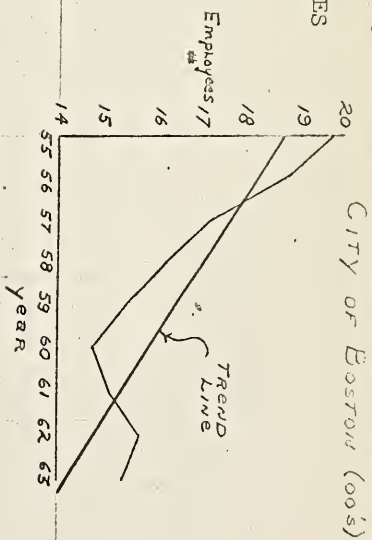




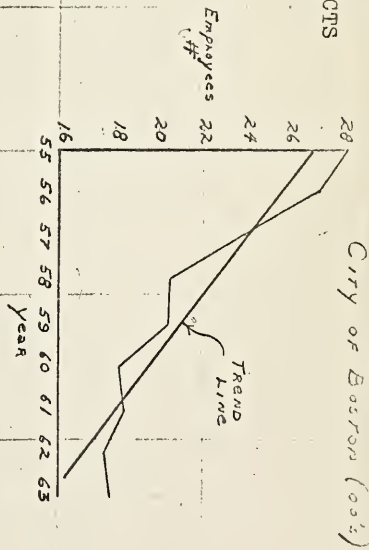
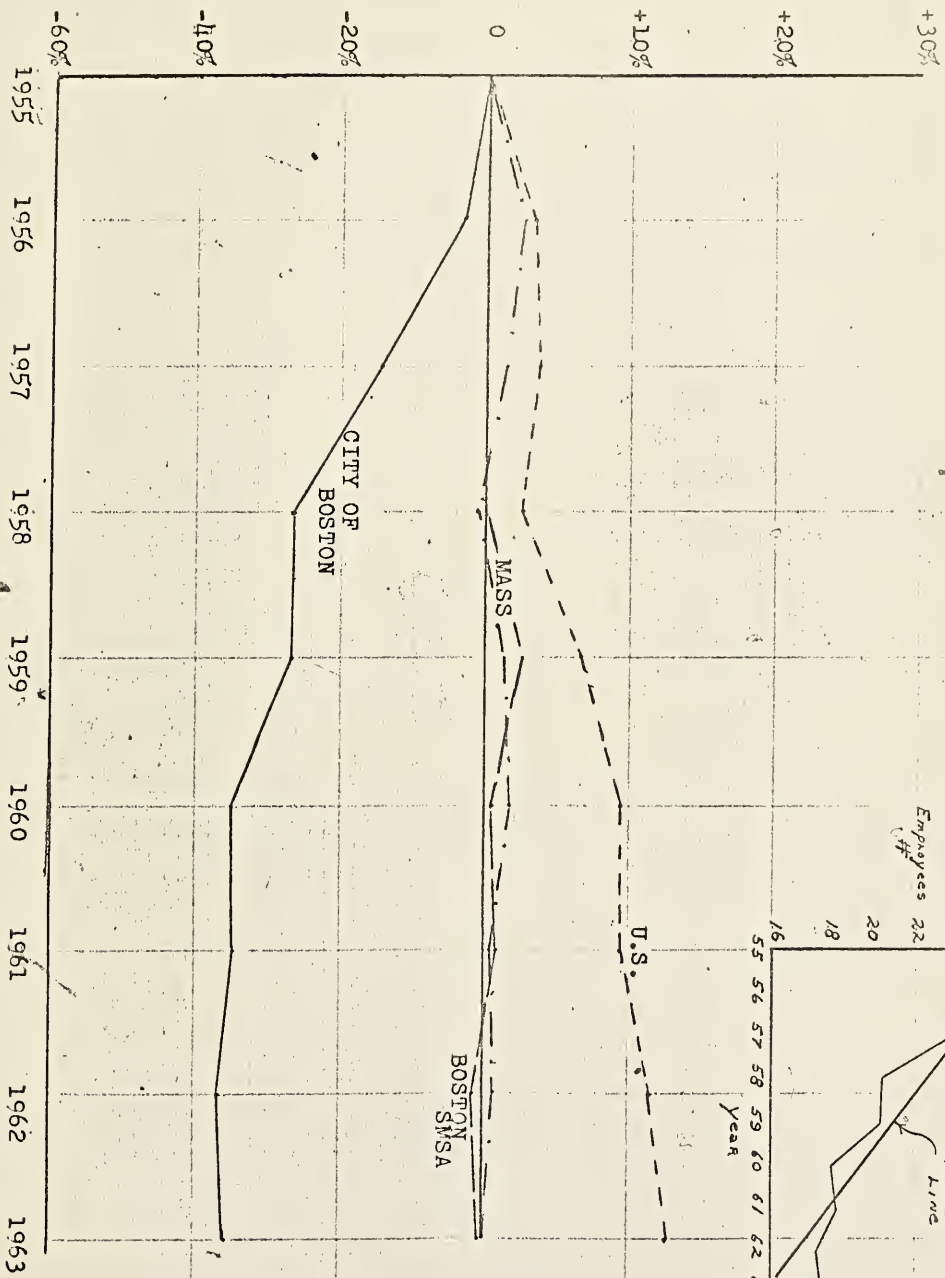
FURNITURE AND FIXTURES SIC 25



FURNITURE AND FIXTURES SIC 25



PAPER AND ALLIED PRODUCTS SIC 26



VIII

51-27

CHURCH OF THE

UNITED METHODIST CHURCH

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1888

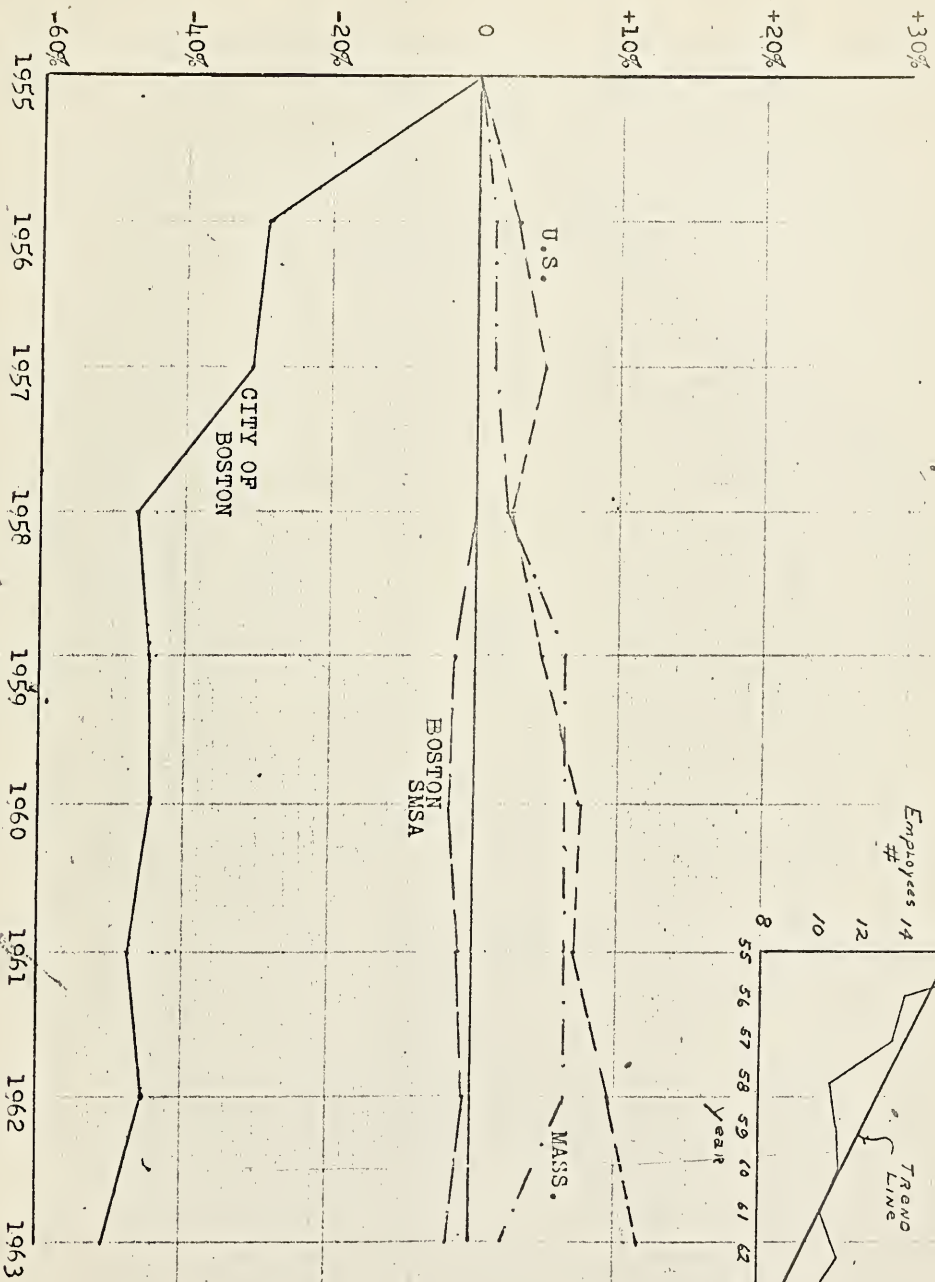
CHEMICALS AND ALLIED PRODUCTS SIC 28

City of Boston (005)

Employees #

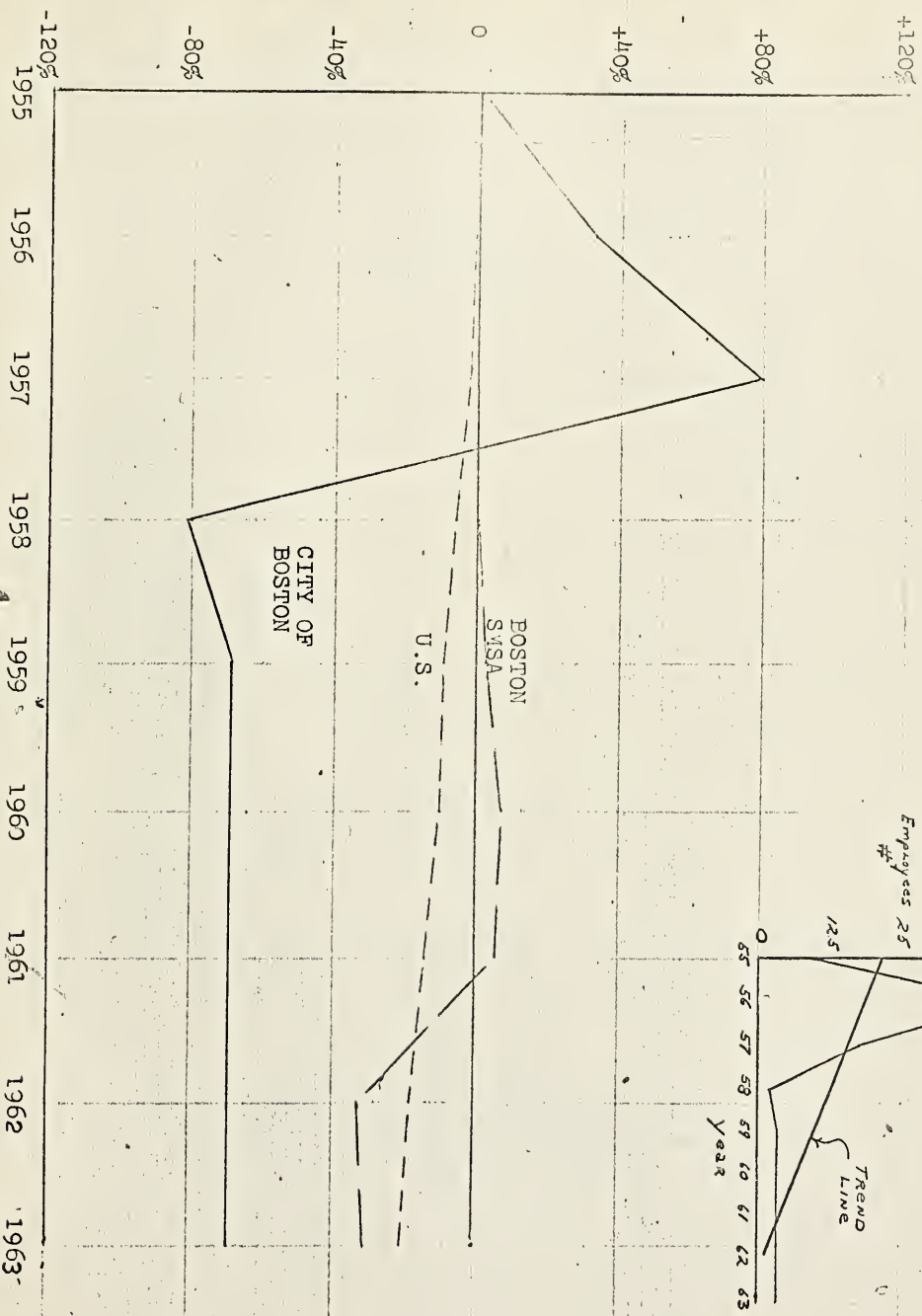
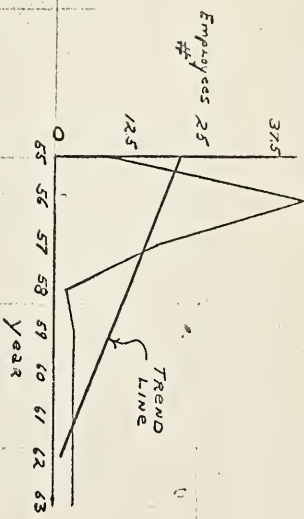


Trend Line



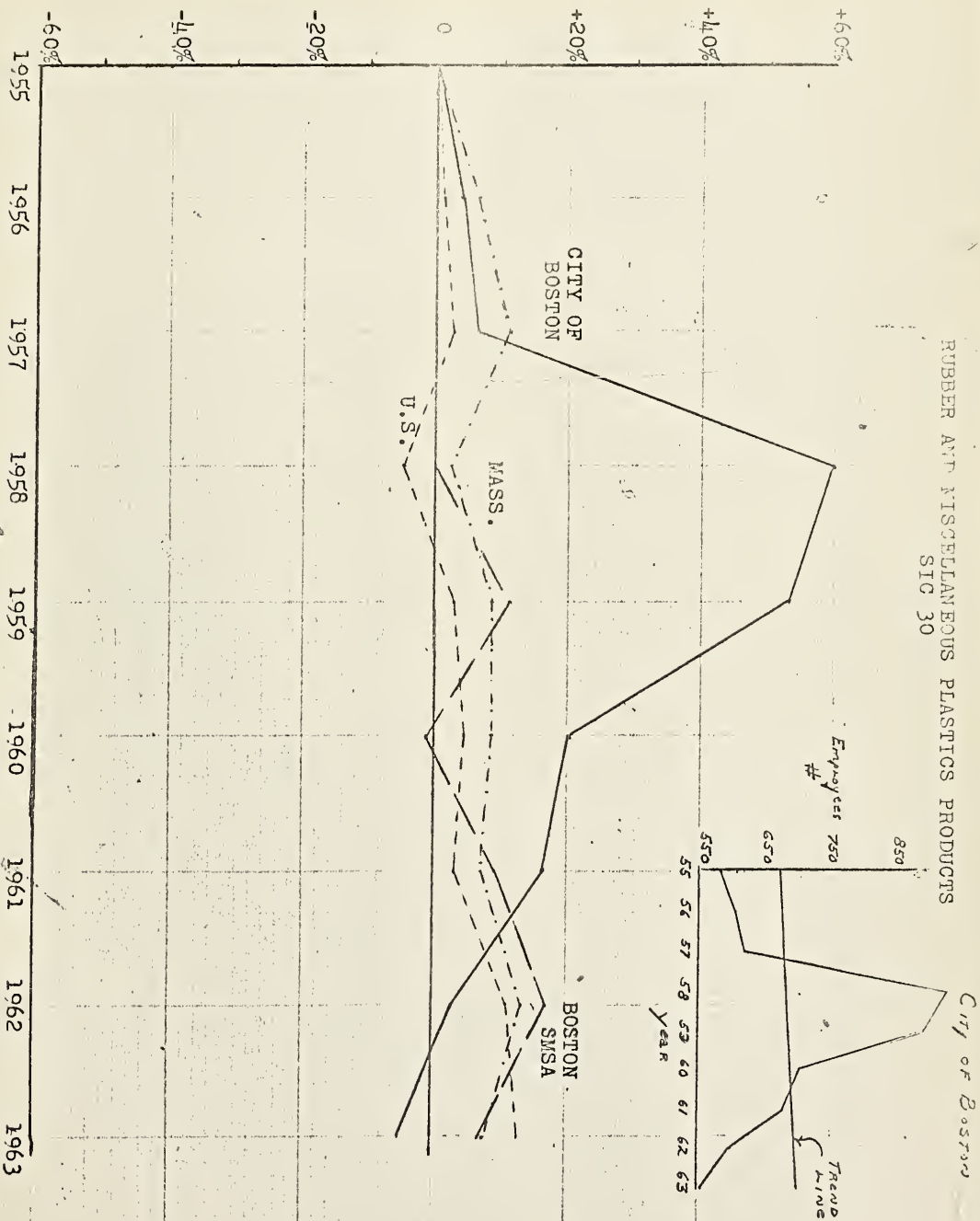
PETROLEUM REFINING AND RELATED INDUSTRIES SIC 29

City of Boston



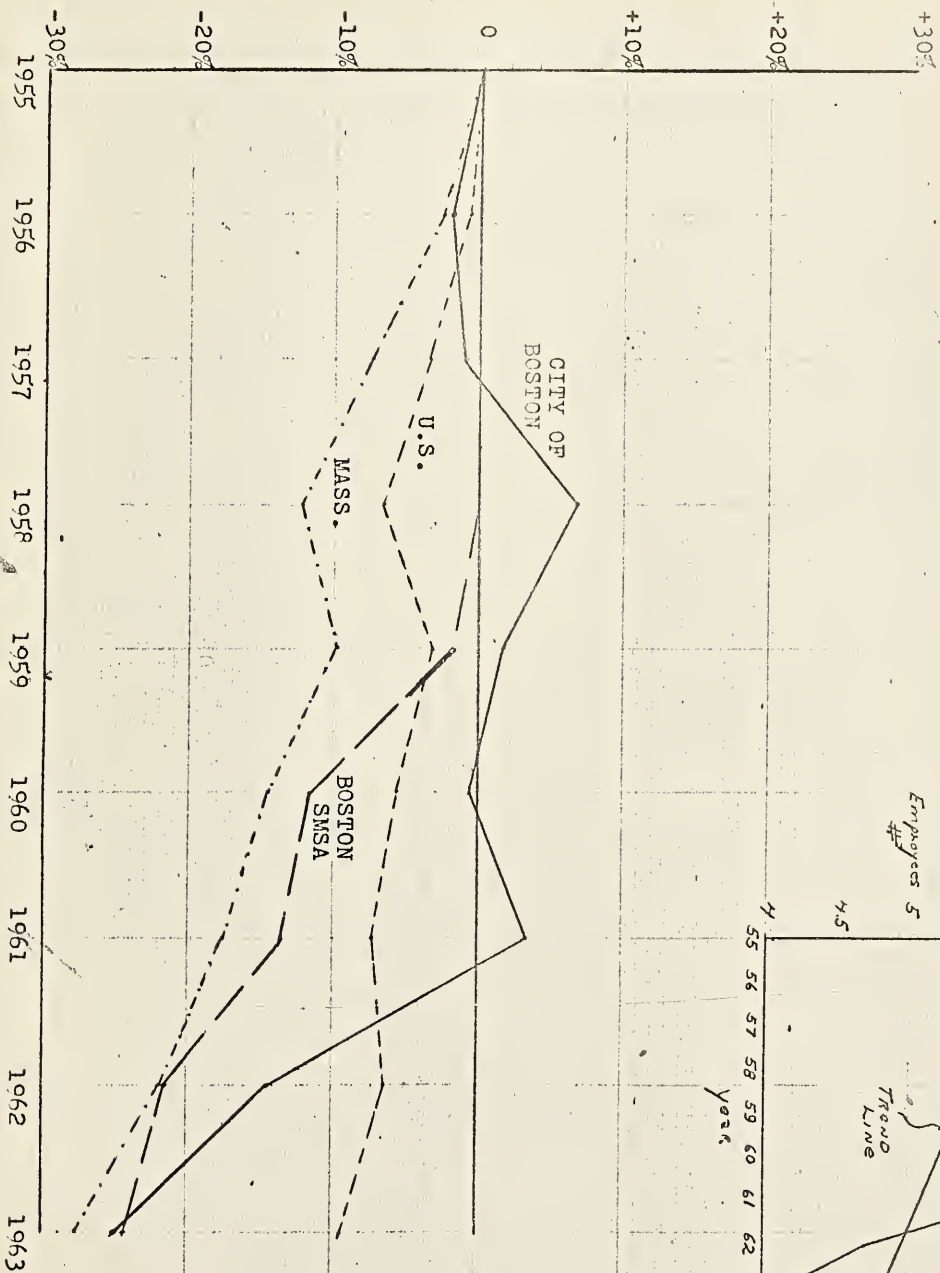
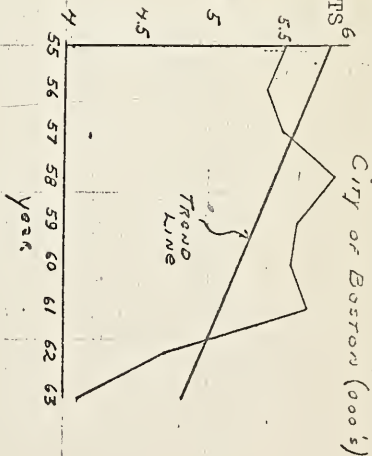


RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS SIC 30



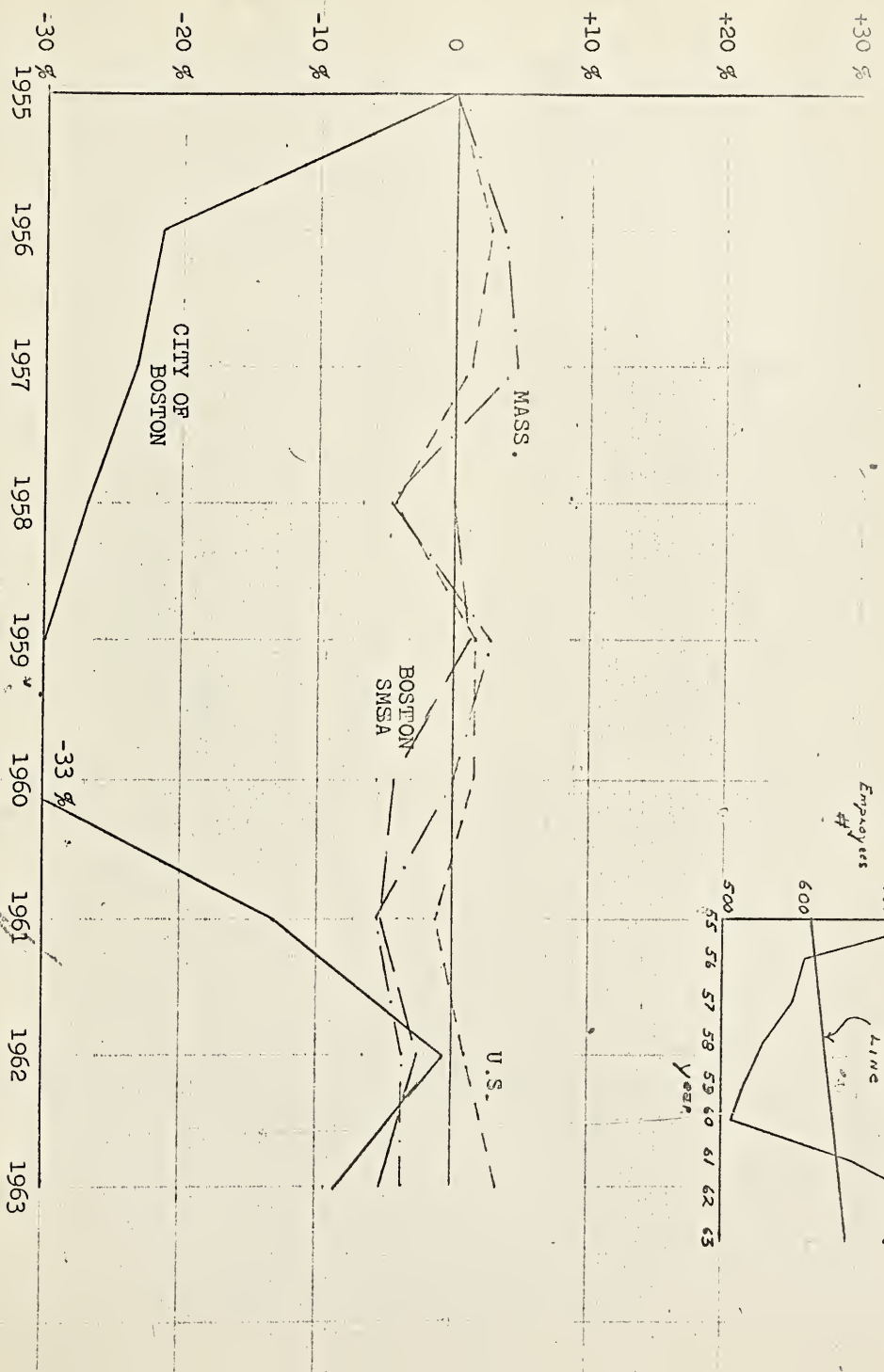
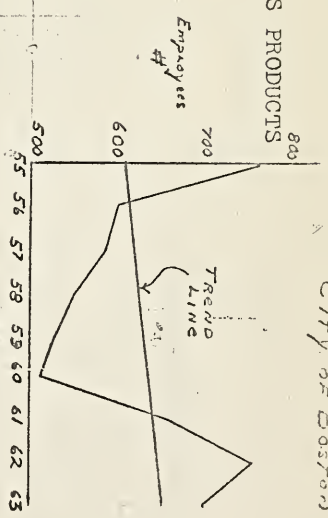
LEATHER AND LEATHER PRODUCTS SIC 31

Employees #



STONE, CLAY, AND GLASS PRODUCTS SIC 32

City of Boston



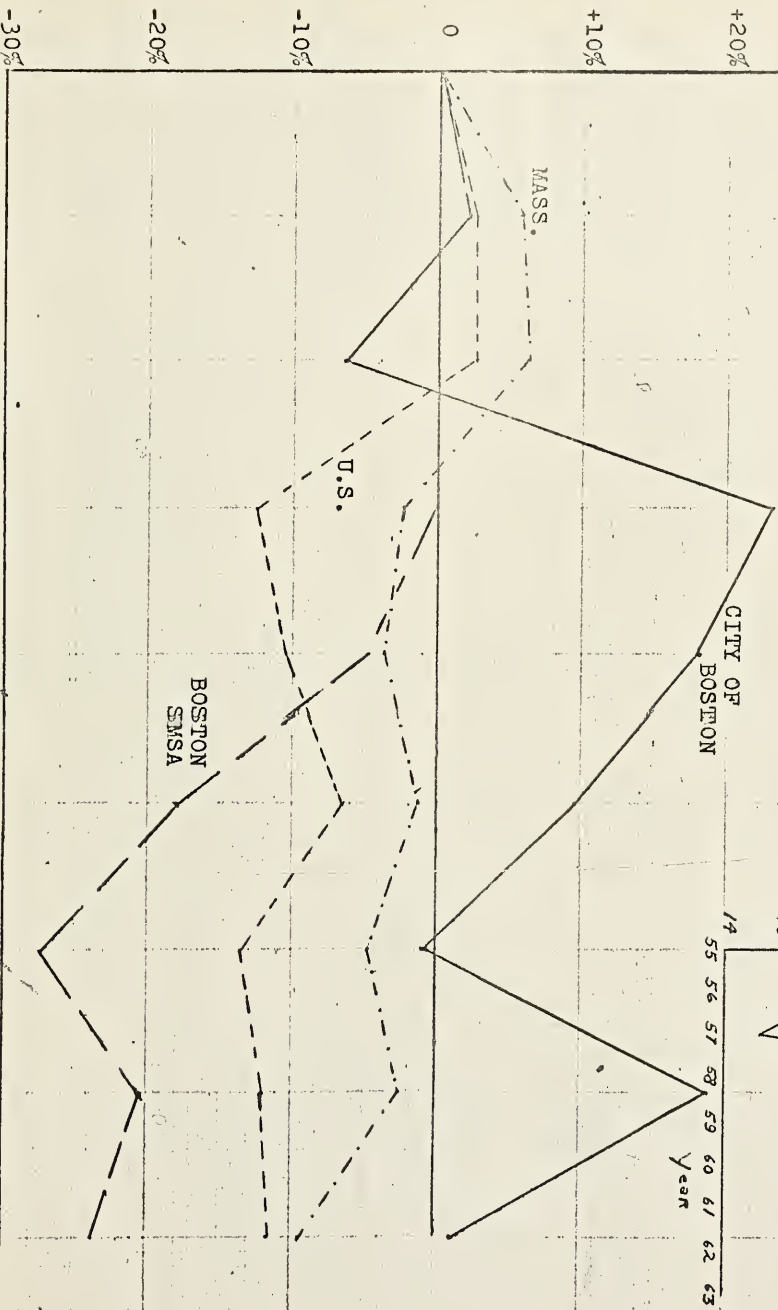
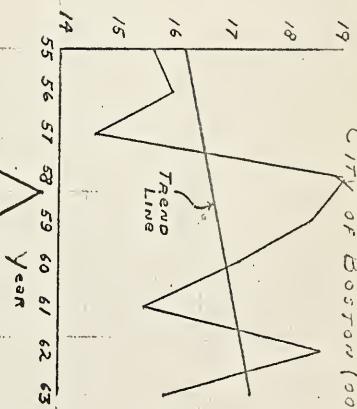


PRIMARY METAL INDUSTRIES SIC 33

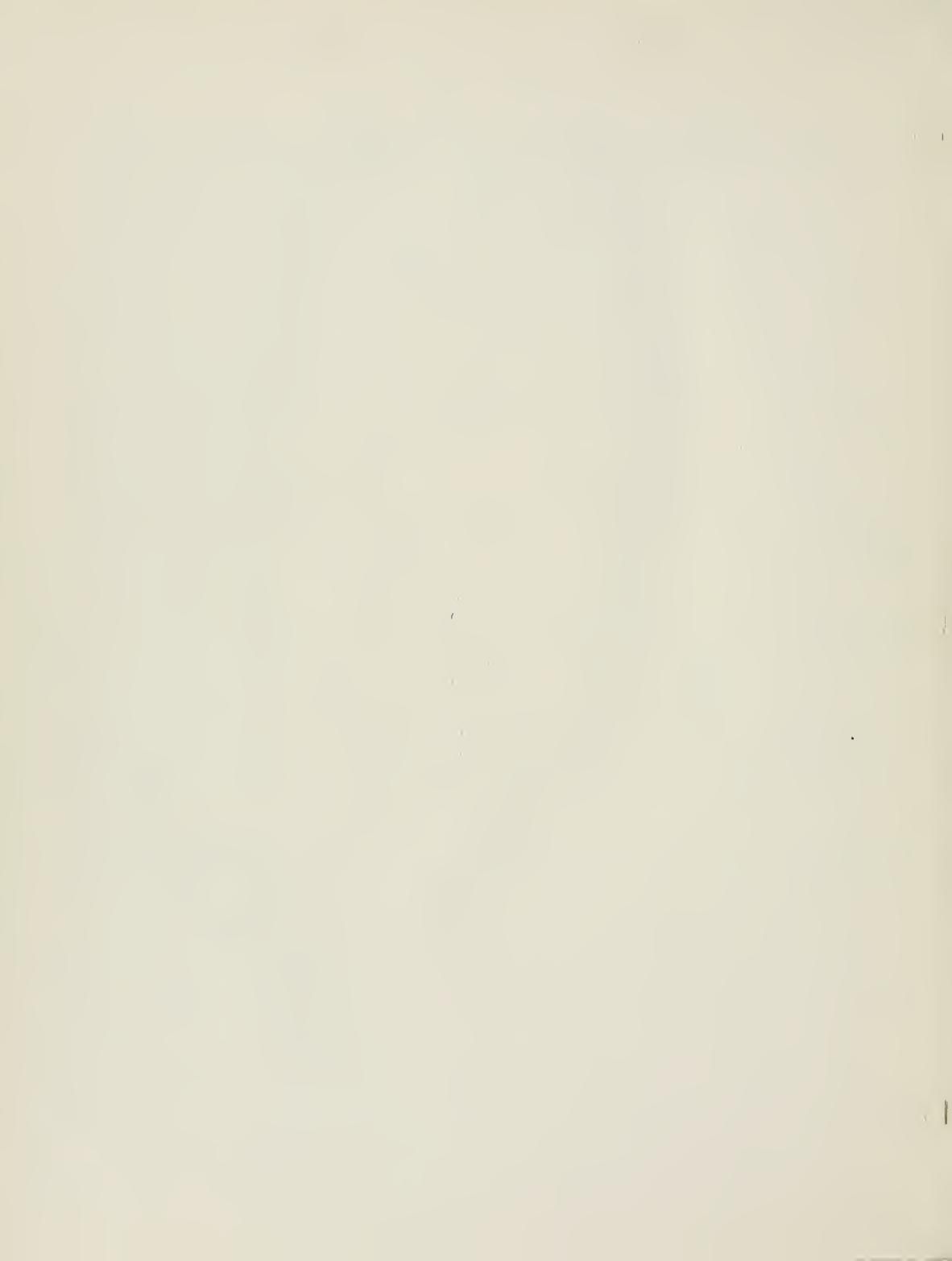
Employees
#

CITY OF BOSTON (00's)

Trend
Line

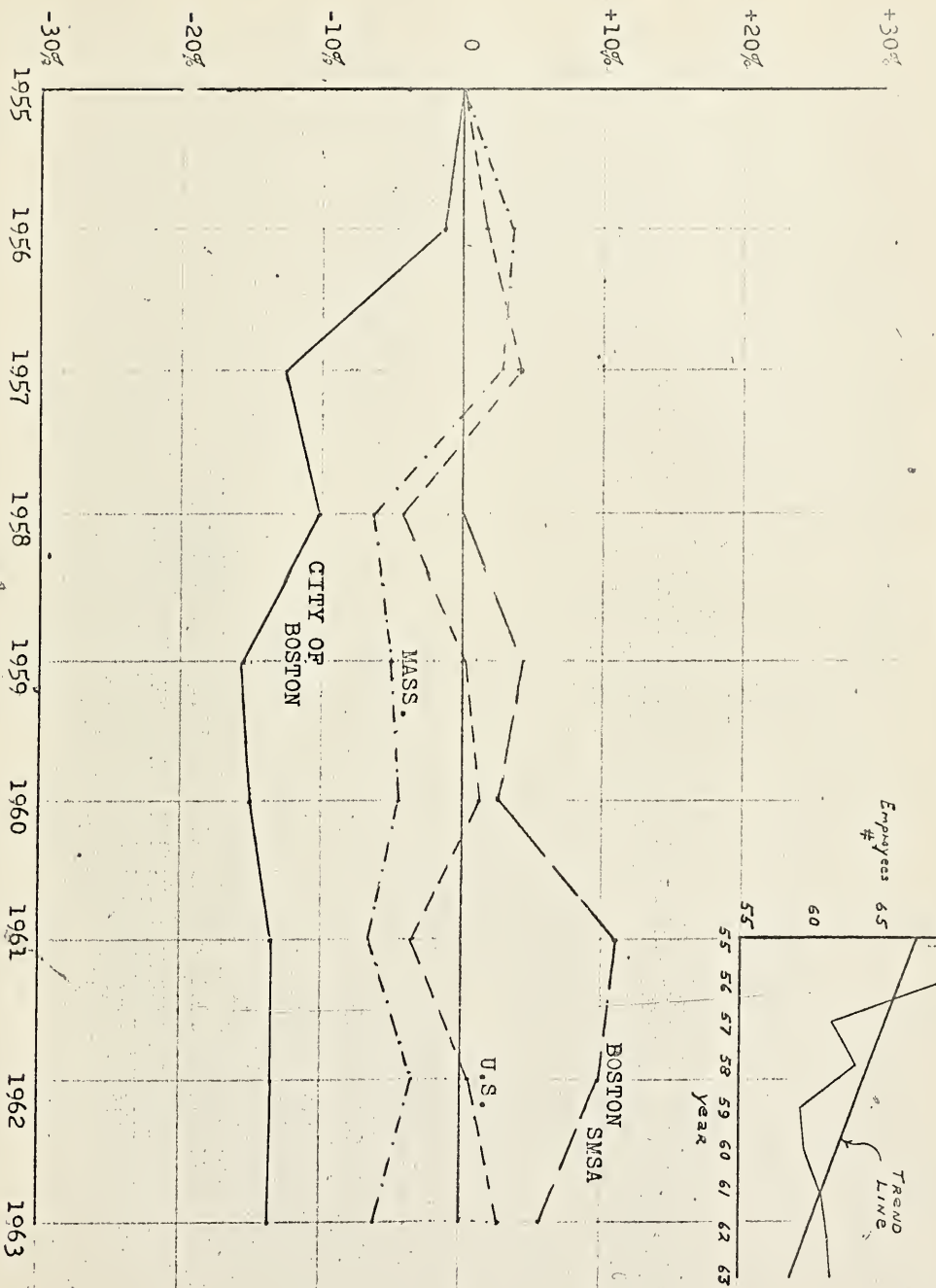


1955 1956 1957 1958 1959 1960 1961 1962 1963



FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE,
MACHINERY, AND TRANSPORTATION EQUIPMENT
SIC 34

City of Boston (000)

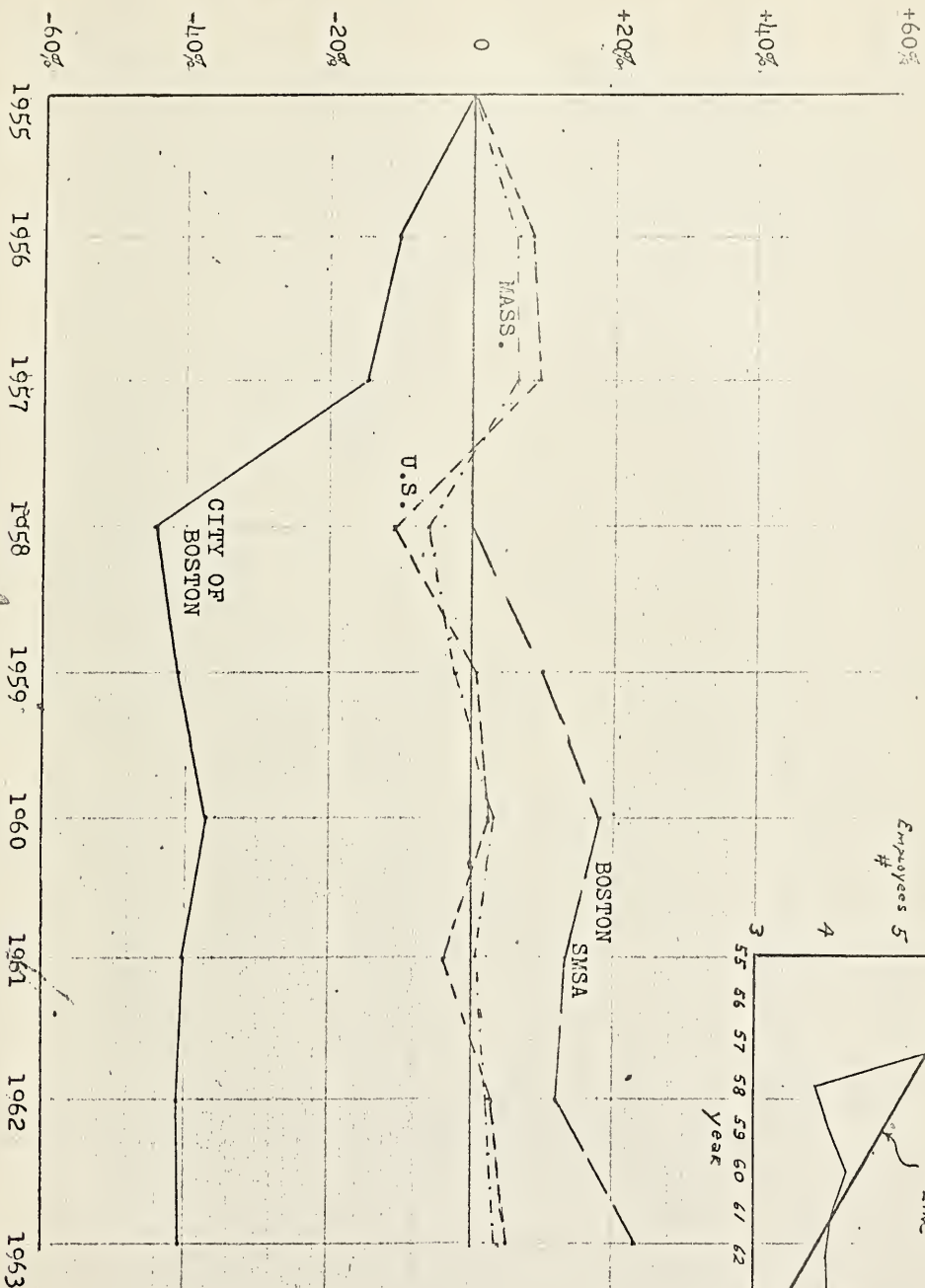
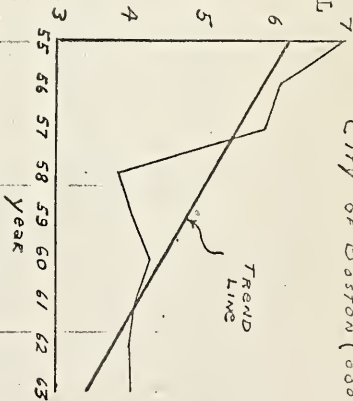


MACHINERY, EXCEPT ELECTRICAL SIC 35

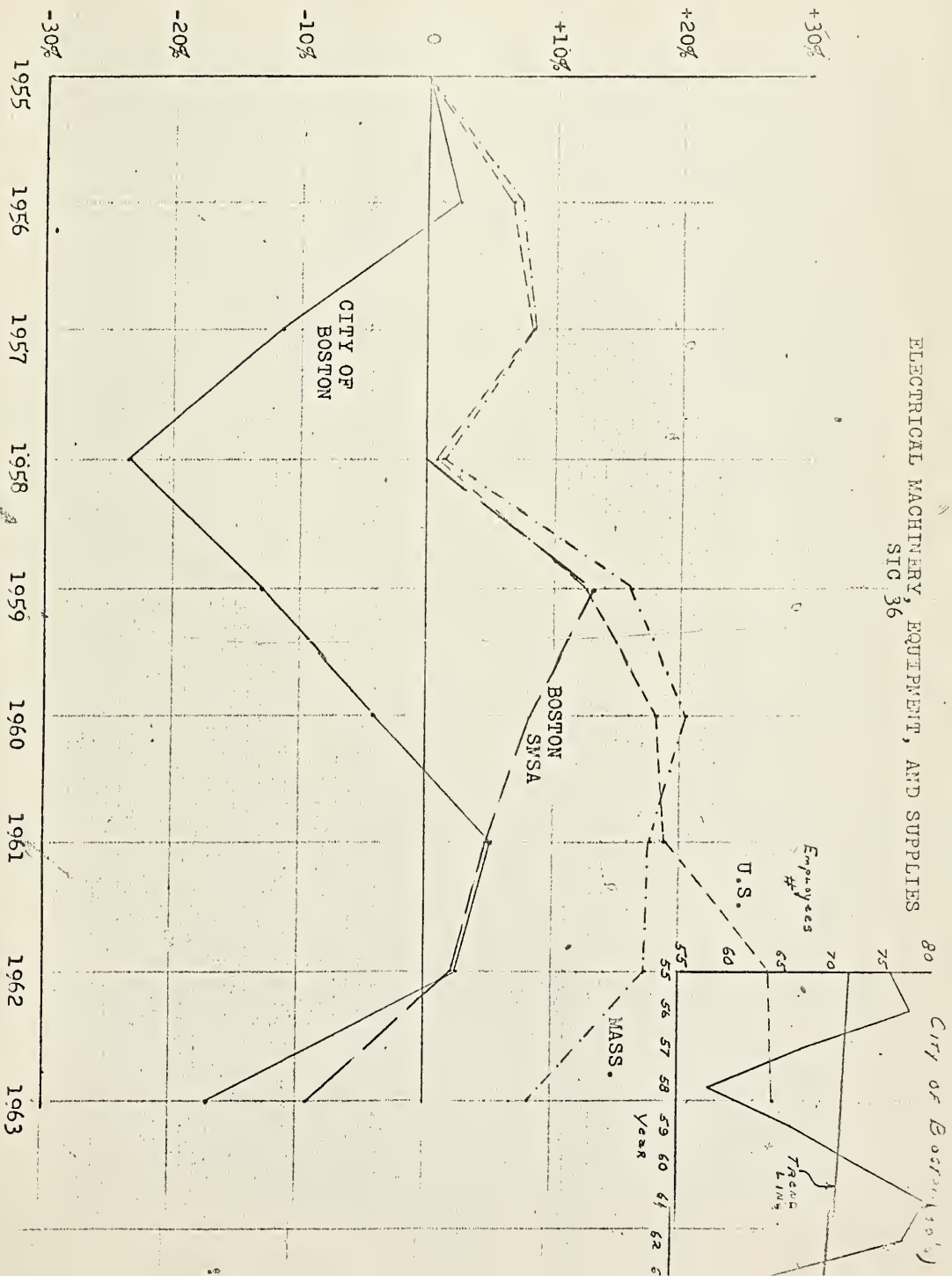
CITY OF BOSTON (000's)

Employees #

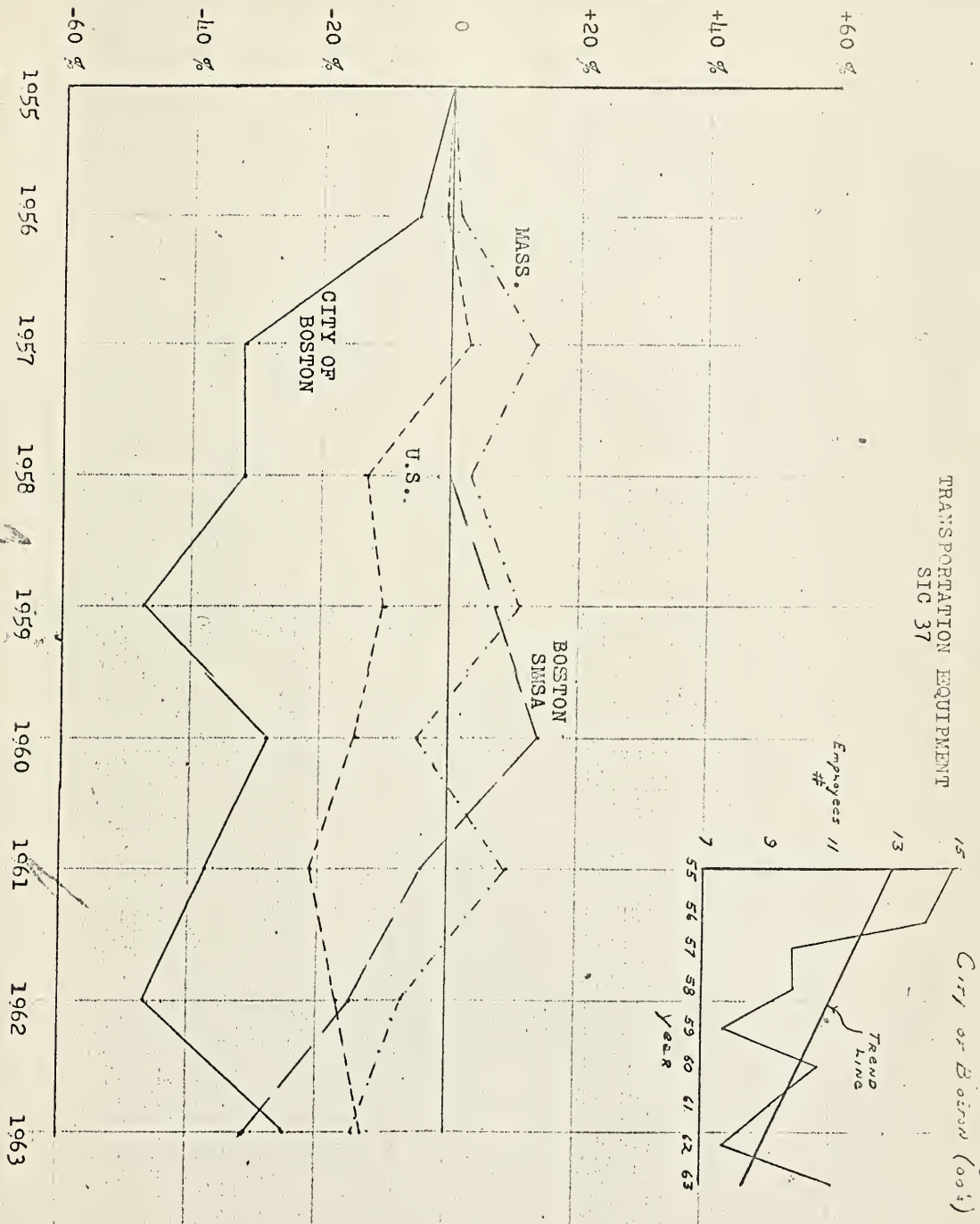
TREND
LINE



ELECTRICAL MACHINERY, EQUIPMENT, AND SUPPLIES SIC 36



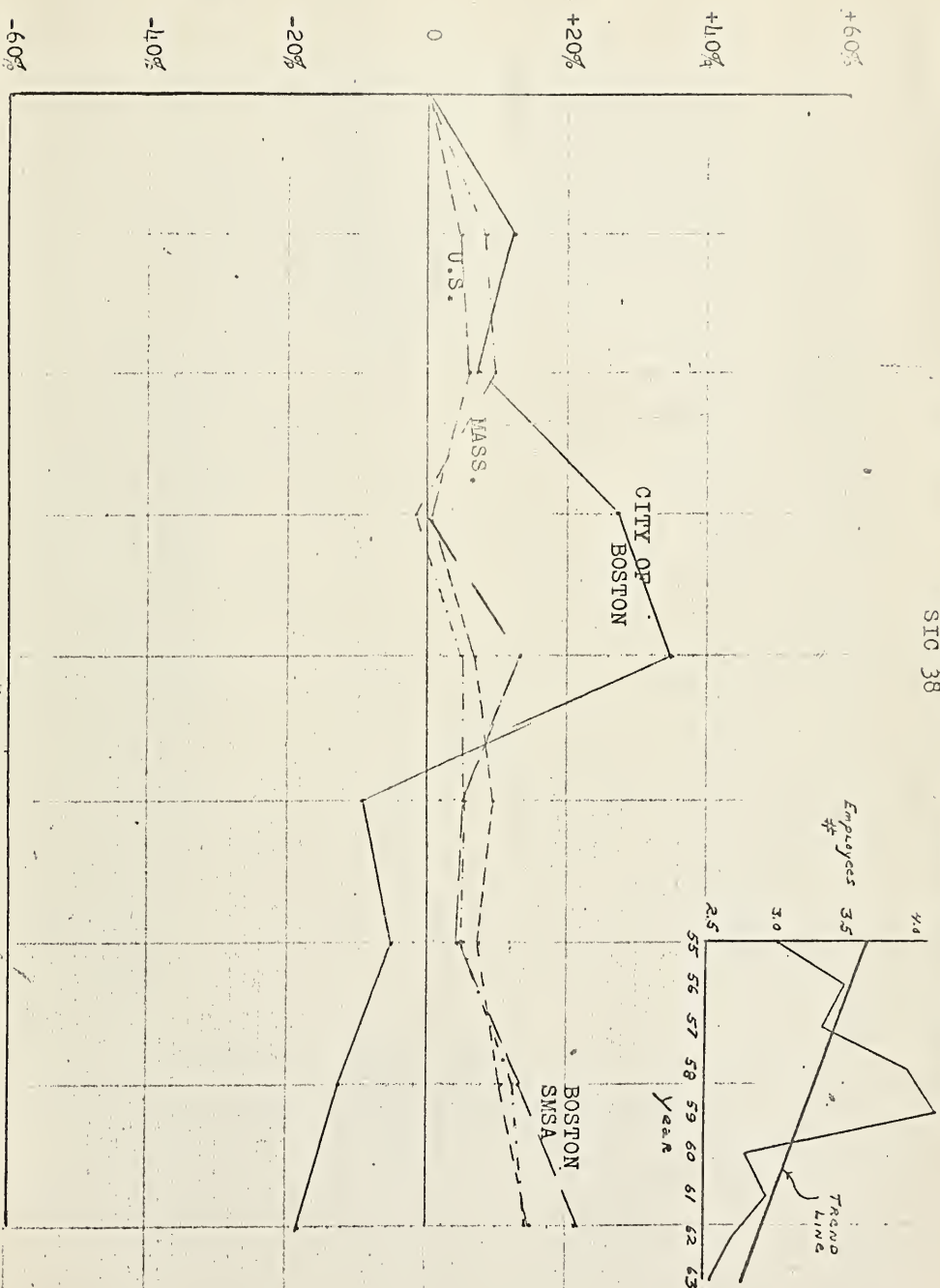
TRANSPORTATION EQUIPMENT
SIC 37



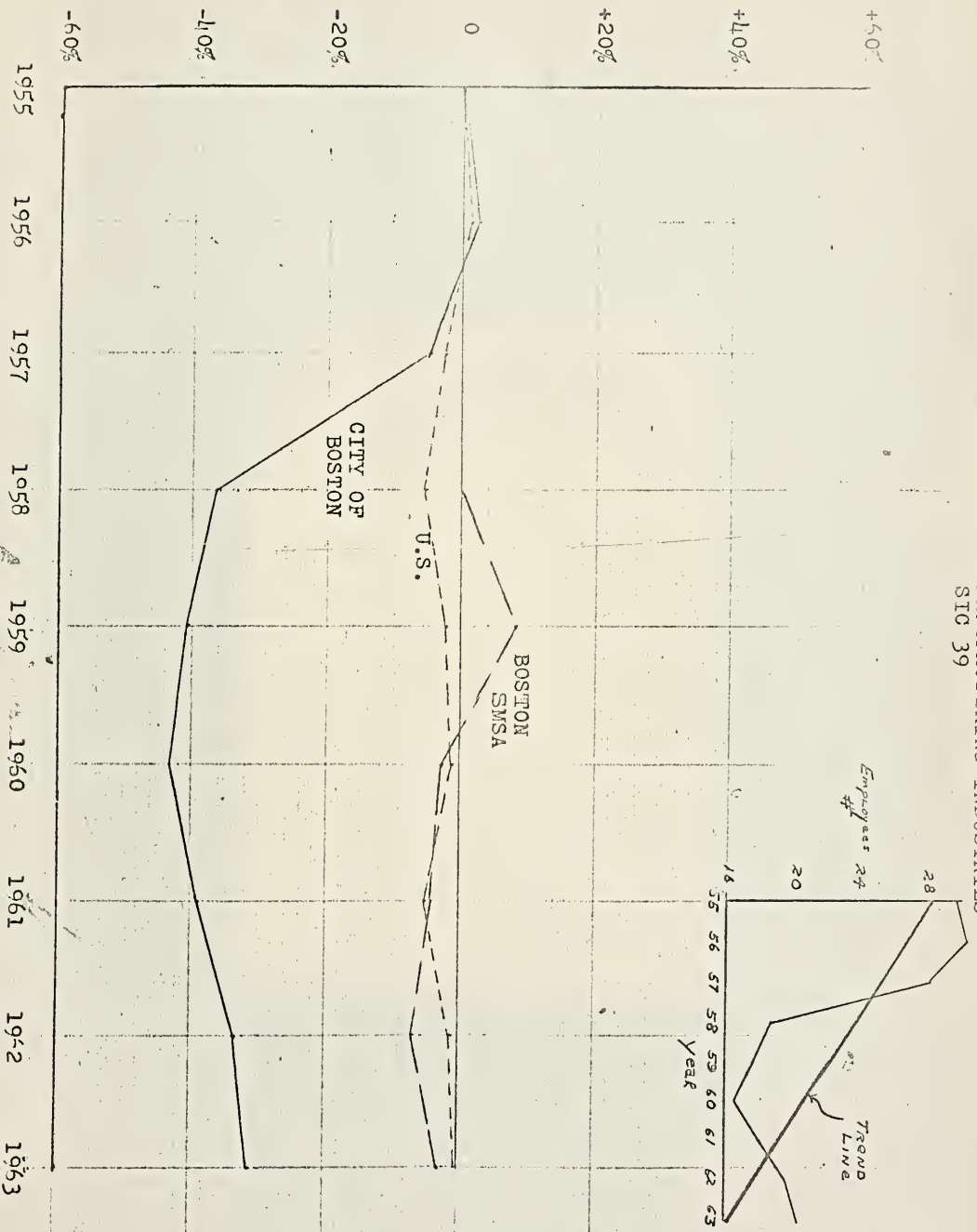
PROFESSIONAL, SCIENTIFIC, AND CONTROLLING INSTRUMENTS SIC 38

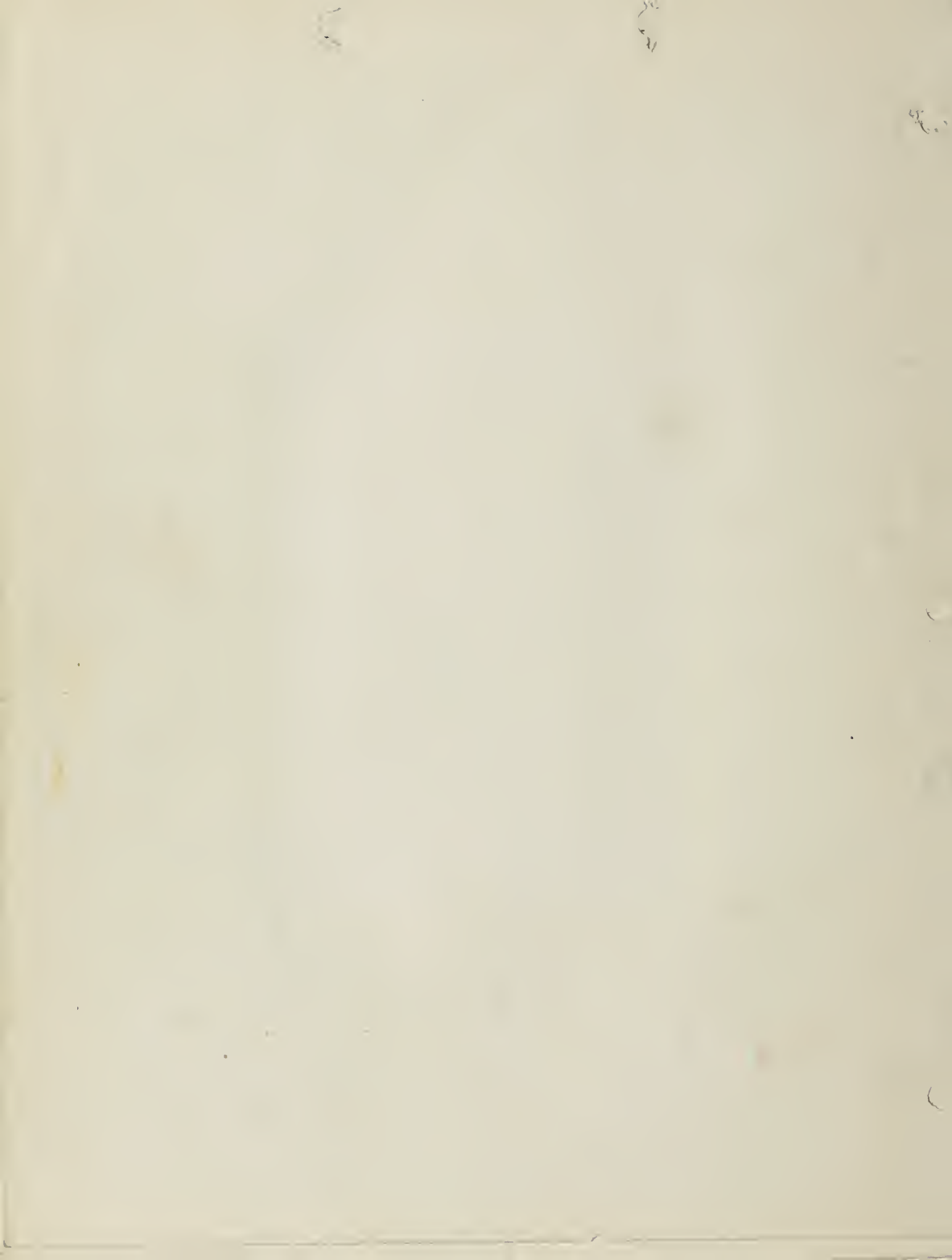
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CITY OF BOSTON (1955-)



MISCELLANEOUS MANUFACTURING INDUSTRIES
SIC 39
City of Boston (201)





ACCOPRESS®

M65 B65R A

M Boston Redevelopment Auth.
Bo An analysis of the manufac-
An turing sector of the City
S of Boston.

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